



KEEPS YOU GOING.

CHAINS & ACCESSORIES

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KEEPS YOU GOING.

TVH started as a small company in 1969, founded by two friends: Paul Thermote and Paul Vanhalst. More than 50 years later, TVH has become a parts specialist in the field of spare parts for material handling, industrial vehicles, construction and agricultural equipment, with more than 5000 employees worldwide.

With a database of over 47 000 000 item numbers, of which more than 930 000 different references are in stock, we supply to customers in 182 countries. TVH is committed to delivering all products and services to keep equipment running smoothly. You can always count on our technically skilled employees who offer you expert support in 57 languages, and we guarantee you 95% same-day shipments.

Our headquarters are located in Waregem, Belgium. Furthermore, there is a regional main office located in Kansas (US) serving the American market.

Via our webshop MyTotalSource, you can buy your spare parts and accessories online. For every reference, you can immediately see the price, lead time, stock, pictures and technical features.

In addition to our own brands such as TotalSource, CAM attachments®, Bepco®, Energic Plus® and GemOne®, TVH also partners with a variety of top-quality brands.

In need of electronic components and services? We've got you covered thanks to our electronics department in Belgium (the largest service center for electronic components for all types of electric vehicles in Europe).

In addition, TVH University offers practice-oriented technical training courses that ensure you can offer your customers the best service possible.

Do you have any questions or remarks? Please contact us, we will gladly help you.

KEEPS YOU GOING.

ALL PARTS, ALL MAKES

TVH is your **all-round supplier of quality parts and accessories for material handling, industrial vehicles and agricultural equipment**. Receive fast answers on any inquiry, order or technical question from our dedicated sales and technical departments. We continually expand our product range by following new trends and by looking for new partnerships, to make sure you will find absolutely everything you need right here at TVH.



> 50 years
of experience



> 5000 colleagues
worldwide



67 nationalities
57 spoken languages



90 branches
worldwide



Parts for over
680 makes



> 47 000 000 known
references



> 930 000 different
stock items



> 7250
suppliers



> 100 000
active customers
in 182 countries



1600 m euro
consolidated turnover
(2022)



> 27 000 orders per day
> 88 000 order lines
per day



> 86% orders via
e-commerce

STRONG BRANDS, GUARANTEED QUALITY

TVH is your global one-stop shop for parts and accessories for material handling, industrial, construction and agricultural equipment. Regardless of the make, type and year of construction of your material handling or industrial equipment machine: TVH always has a solution.

Reliable products and services contribute to the day-to-day success of your company. That's why we at TVH choose top quality brands for our maintenance, repair and operation products, just like you do.

In addition, our strong house brands guarantee an excellent range and quality standard for mechanical and hydraulic attachments, internal transport equipment, battery chargers and accessories ...



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Is quality also a priority in your business? Rely on TVH as your partner.

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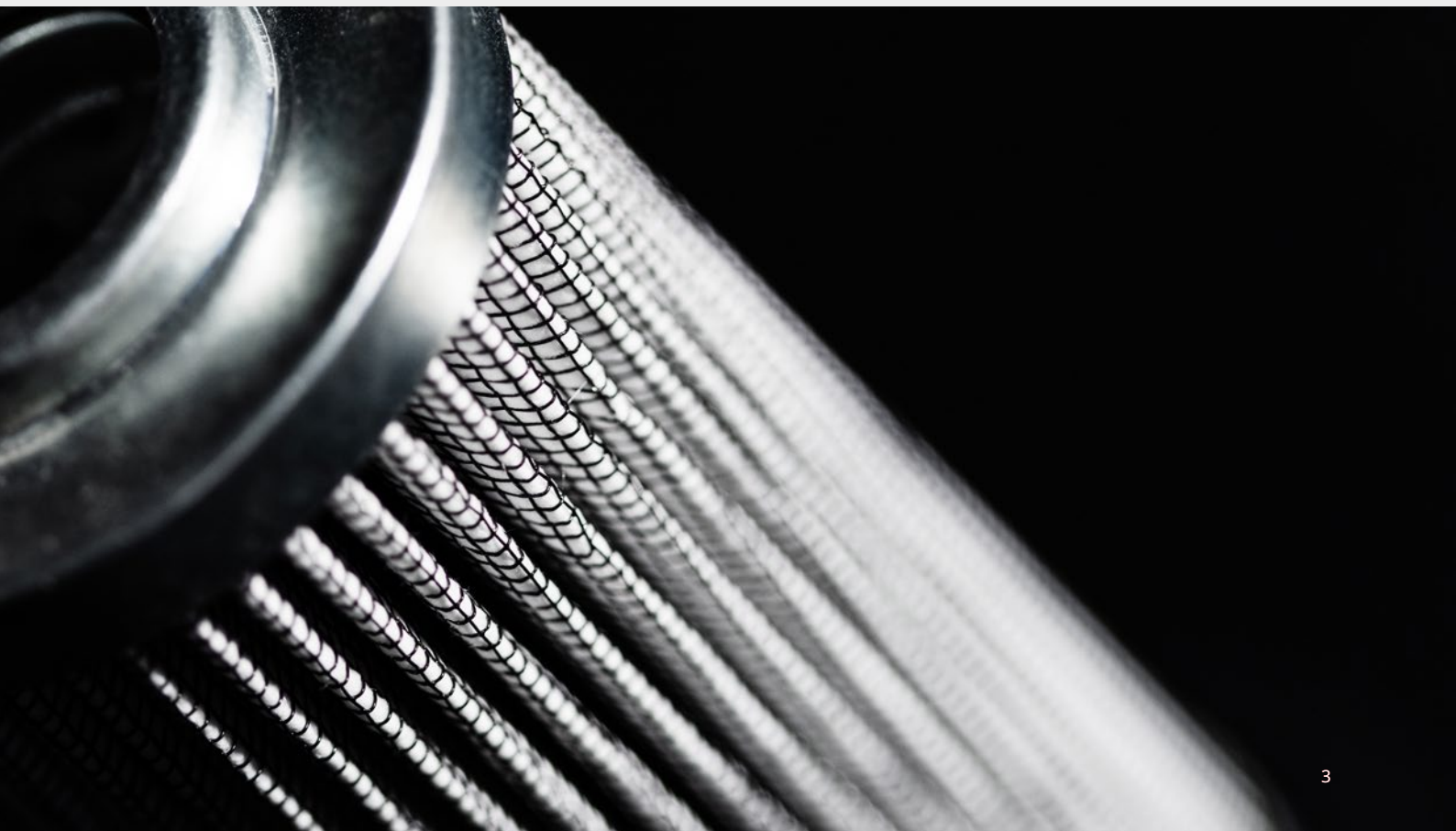
TVH University provides **hands-on technical training courses** suitable for industrial vehicles such as forklifts, telehandlers, mobile elevating work platforms, small earth-moving equipment and tractors.

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- Courses include both **in-person** training classes and **digital** training packages

For more information or enrolments:

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TVH 
UNIVERSITY



ABOUT TVH

HOW CAN WE HELP YOU?

BUY SPARE PARTS & ACCESSORIES ONLINE

- 95% same-day shipment, next-day delivery to all our customers
- A database of over 47 000 000 item numbers
- More than 930 000 different references are in stock

Ordering the parts you need is quick and easy:

- Digitally manage all your inquiries, orders, invoices
- Upload and maintain your machine data

Discover all advantages and possibilities:



Time-saving



Free of charge



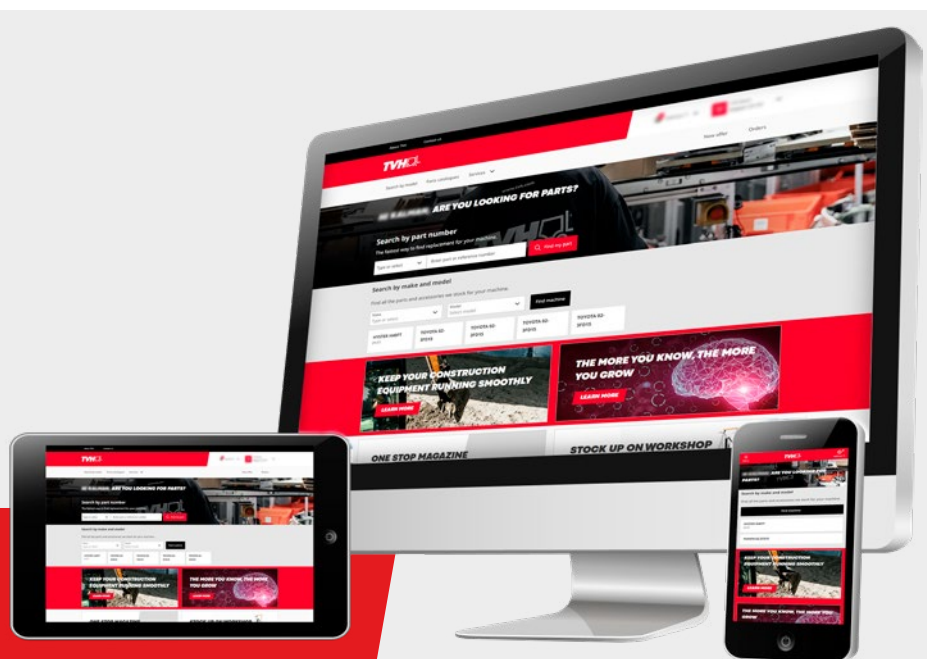
Easy to use



Inquiries & orders



Pictures & technical info



READY FOR OUR ONLINE STORE?

Do you already have access to our new expanded webshop eshop.tvh.com? Or are you still enjoying the familiar interface of our (old/limited) shop mytotalsource.tvh.com?

Please note that we are currently working hard to transfer all our customers to the new and improved system, so be sure to keep an eye out for further info.

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NICETO KNOW

TVH has a solution for all your chain requirements. We supply quality chains for the most demanding applications, cut to the desired length. In addition we also have a wide variety of different accessories. 90% of our chains are immediately available from stock. Each ordered chain is automatically accompanied by a chain certificate.

TVH collaborates with the **top brands of the chain world**. Both on the European market with brands such as Rexnord, Sedis, Renold and Wippermann and on the Asian market with the brand Donghua. All roller chains are Donghua branded. These original quality chains come supplied in bulk or cut to the desired length.

In addition to the standard high-quality steel chains, we also supply corrosion proof leaf chain (Dacromat). These are suitable for use in extreme weather or extreme environment conditions.

You can **find the desired chain type** in this parts catalogue or in MyProductSearch, the online research module in MyTotalSource. If neither of these can offer you a solution, then you can leave the research up to us. All you need to do, is to fill in a technical sheet and we will do the rest.

You can also **find the desired chain links, pins and anchors** in this catalogue or MyProductSearch. Should you be unable to find the correct reference, you can fill in a technical sheet and leave the identification to us.

TVH offers 2 types of **measuring tools** to measure the wear of your chains: the standard measuring tool and a professional version where the elongation value is displayed in %. You can find these tools on page 110 of this catalogue.

A good **lubrication** is essential for the lifespan of a chain. With this chain spray (REF 105TA4644) you can maintain the chain optimally.

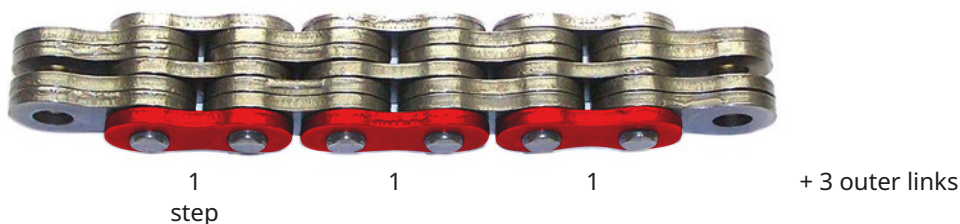
We supply a **chain certificate** with each chain order. This chain certificate automatically appears on your order confirmation.

How to determine the correct chain length in the easiest way:

1. count the outer plates (marked in red)
2. multiply the # outer plates x 2
3. add 1
4. multiply this result by the pitch in mm
5. divide by 1000

This gives us the following formula: $((\# \text{ outer plates} \times 2) + 1) \times p / 1000$
The result is the chain length, expressed in meter.

Ending on inners:



Note: this formula can only be used for chains ending on the inner plates (marked in blue). If you have a chain ending on the outer plates, this has to be clearly specified in the request.

GENERAL INFO ABOUT LEAF CHAINS

Leaf chains must be replaced once they display an elongation of maximum 3% (or 2% in the UK). This elongation can be measured by means of a wear gauge. The measurement is performed across the piece of chain that runs over the chain roller. This part of the chain is subjected to the most stress and is therefore the ideal measuring point.

In addition to wear, there are also other potential reasons to replace a lift chain:

- twisted or shifted chain pins
- cracked chain leaf due to corrosion or metal fatigue
- seized links
- damage to the chain due to an external cause
- a fracture in the chain due to an excessive load or incorrect lubrication

Some guidelines:

- Replace lift chains per set. If this is not done, the chains are subject to an unequal load. This will result in an uneven wear, which might lead to breakage. A chain is subject to dynamic impact loads, which speed up the wear process.
- Use the same type of chains as the chain that was originally fitted.
- Inspect chain rollers and anchors after removing the chains. In case of wear or breakage these must be replaced.
- Always replace the chain pin and link simultaneously with the chain.
- Never connect individual pieces of chain together. This will always void the warranty.
- Lubricate the chain on a regular basis. By using a chain spray the lifespan of the chain extends, making it more resistant against corrosion and damage.

Chain disassembly

Although TVH offers chains "cut to length" sometimes you may need to cut chains yourselves. On page 109 we offer all kind of tools to cut roller chains. Select the right tool depending on chain type and pitch. For leaf chain disassembly we suggest 2 different ways depending on the chain pitch.

Small pitch chains (pitch \leq 1 inch)

Although the use of pressing material is preferred, this procedure assumes the use of hammer and chain pin extractor. The cutting should be done on a workbench or other sturdy support surface. First hit the pin with the hammer until the head of the chain pin is equal with the plate, continue to drive the pin through the plates with a hammer and chain pin extractor. The chain pin extractor should have a diameter slightly less than the pin link plate aperture.

Large pitch chains (pitch $>$ 1 inch)

Grind the head of the pin flush with the pin link. Remove the pin by using a hydraulic press and the matching toolkit.

Make sure you always remove the 2 pins fitted on one outer link. Do not damage other chain pins or links besides the one you want to remove.

Press and tools are available on page 108.

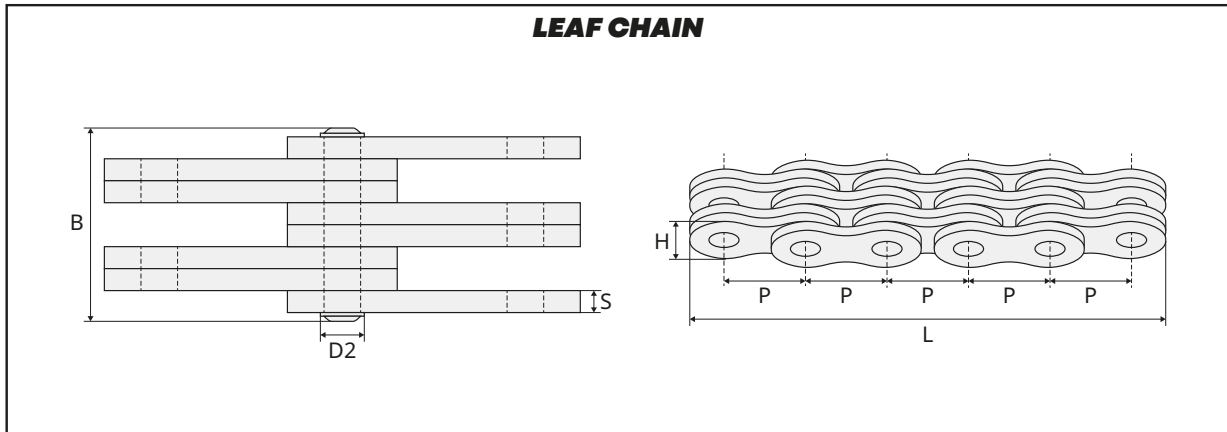




01.

LEAF CHAINS

DIMENSIONS



COMBINATIONS



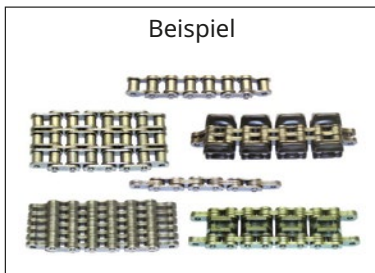
TECHNICAL SHEETS - GERMAN

KETTEN

Gruppe

10-01-03-00

Beispiel



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

Bestellung

	TY-K..... Kettentyp: <i>SR = Simplex Rollenkette</i> <i>DR = Duplex Rollenkette</i> <i>TR = Triplex Rollenkette</i> <i>QR = Quadruplex Rollenkette</i> <i>SK = Flyerkette</i>
	H..... Gesamthöhe
	P..... Teilung
	L..... Gesamtlänge
	B..... Gesamtbreite
	B2..... Breite Kettenglied
	B3..... Breite
	D1..... Rollendurchmesser
	D2..... Bolzendurchmesser
	S..... Plattenstärke
	TY-SK..... Typ Flyerkette, siehe Kombinationen
	MAT..... Material: <i>ST = Stahl</i> <i>SS = Inox</i> <i>DA = Dachromat (galvanisch verzinkt)</i>
	KIT..... Ja/nein, wenn Kettenschloss(schlösser) und/oder Kettenanker vorhanden sind
	F1..... Nominale Bruchkraft, in kN
	F2..... Reelle Bruchkraft, in kN
	F3..... Testkraft, in kN
	F4..... Maximale Belastung, in kN/1 000 000 Zyklus

Siehe technische Datenblätter auf Englisch.

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2 mm	Plate thickness S mm	Plate depth H mm	Pin length B mm	Tensile strength kN	Weight kg/m	Info & used for	REF
P: 3/8" Pitch (9.525 mm)										
FL922 - works specs.	2 x 2	11	3.28	1.04	8.70	6.20	10.00	0.23	Jungheinrich	107TA1997
FL934 - works specs.	3 x 4	4	3.28	1.04	8.70	9.50	15.50	0.45		107TA1995
FL944 - works specs.	4 x 4	12	3.28	1.04	8.70	10.40	21.00	0.51	BT	107TA1994
FL956 - works specs.	5 x 6	7	3.28	1.04	8.70	13.80	26.00	0.69		107TA7698
FL966 - works specs.	6 x 6	13	3.28	1.04	8.70	14.90	31.00	0.75		107TA1996
UF966 - works specs.	6 x 6	13	3.59	1.30	7.30	18.50	30.90	0.62	Genie-lift	107TA7699
P: 1/2" Pitch (12.70 mm)										
AL422	2 x 2	11	3.96	1.50	10.20	8.10	14.10	0.35	Genie, Upright	107TA1998
LL0822	2 x 2	11	4.45	1.34	10.50	8.10	17.80	0.34	Atlet	107TA1999
BL422	2 x 2	11	5.08	2.00	12.00	10.70	29.00	0.60	Crown	107TA2001
BL423	2 x 3	1	5.08	2.00	12.00	13.20	29.00	0.80	Genie, Upright	107TA2002
Works specs.	3 x 4	4	4.45	1.69	10.70	14.20	31.00	0.71		107TA2004
BL434	3 x 4	3	5.08	2.06	12.10	17.20	42.50	1.08	Fiat, Snorkel	107TA2003
AL444	4 x 4	12	3.96	1.50	10.40	14.40	31.00	0.74	Genie	107TA2005
LL0844	4 x 4	12	4.45	1.34	11.50	13.00	36.40	0.66	Haulotte, Saxby	107TA2006
BL444	4 x 4	12	5.08	2.06	12.10	19.30	58.00	1.23	Jungheinrich	107TA2007
BL446	4 x 6	5	5.08	2.06	12.10	23.50	58.00	1.53	Hyster, Clark	107TA2008
Works specs.	5 x 6	7	4.45	1.69	10.70	21.10	53.00	1.10		107TA2009
AL466	6 x 6	13	3.97	1.50	10.40	20.50	43.00	1.09	Hyster	107TA2010
LL0866	6 x 6	13	4.45	1.50	10.50	21.50	55.89	1.15		107TA2011
BL466	6 x 6	13	5.08	2.06	12.10	27.80	90.00	1.83	Haulotte	107TA2012
BL488	8 x 8	14	5.08	2.06	12.10	36.30	110.00	2.43		107TA2013
Works specs.	8 x 8	14	4.45	1.69	10.70	29.90	85.00	1.60		107TA2014
P: 5/8" Pitch (15.875 mm)										
LL1022	2 x 2	11	5.08	1.50	12.00	9.30	24.53	0.50	JLG	107TA2021
AL522	2 x 2	11	5.08	2.08	12.70	10.40	28.00	0.61	Genie	107TA2015
BL522	2 x 2	11	5.95	2.38	15.00	12.50	43.50	0.90		107TA2018
F6H5 - works specs.	2 x 3	2	4.75	2.50	14.60	14.90	30.30	1.00	Crown	107TA2022
FLC523	2 x 3	2	5.08	1.80	12.00	12.30	24.50	0.60		107TA2016
Works specs.	2 x 3	2	5.08	1.94	12.70	12.10	29.00	0.69		107TA2019
BL523	2 x 3	1	5.95	2.46	15.10	15.00	40.10	1.18	Fiat, Still	107TA7700
FLC534	3 x 4	4	5.08	1.80	12.00	16.10	36.70	0.88		107TA2024
Works specs.	3 x 4	4	5.08	1.94	12.70	16.00	46.00	0.94		107TA2017
BL534	3 x 4	3	5.95	2.46	15.10	19.90	60.00	1.63		107TA2020
LL1044	4 x 4	12	5.08	1.65	12.10	16.40	44.50	0.85	BT, Fiat	107TA2026
Works specs.	4 x 4	12	5.08	1.94	12.70	18.10	58.00	1.07	Sichelschmidt	107TA7701
FU154 - works specs.	4 x 4	12	5.08	1.65	14.40	17.10	52.00	1.20	Jungheinrich	107TA2028
AL544	4 x 4	12	5.08	1.97	12.85	18.90	57.00	1.19	Genie	107TA7704
BL544	4 x 4	12	5.95	2.46	15.10	22.40	78.00	1.86		107TA7705
Works specs.	4 x 4	12	5.08	1.94	12.70	18.10	62.50	1.13	Still	107TA7706
Works specs.	4 x 4	12	5.95	1.70	14.90	16.90	65.00	1.20	Still	107TA7708
FLC545	4 x 5	6	5.08	1.80	12.00	19.70	48.90	1.10	Lansing	107TA2030
Works specs.	4 x 5	6	5.08	1.94	12.70	20.30	58.00	1.20		107TA2031
BL546	4 x 6	5	5.95	2.46	15.10	27.30	78.00	2.32		107TA2032

LEAF CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2	Plate thickness S	Plate depth H	Pin length B	Tensile strength	Weight	Info & used for	REF
			mm	mm	mm	mm	kN	kg/m		
FLC556	5 x 6	7	5.08	1.80	12.00	23.80	61.30	1.30		107TA2036
Works specs.	5 x 6	7	5.08	1.94	12.70	24.00	72.00	1.47		107TA2037
Works specs.	6 x 6	13	5.08	1.65	14.70	22.60	87.00	1.91	Rocla, Still	107TA2038
Works specs.	6 x 6	13	5.95	1.70	15.10	24.00	100.00	1.88	Still	107TA2039
LL1066	6 x 6	13	5.08	1.65	12.10	22.80	69.00	1.30		107TA2040
FU156 – works specs.	6 x 6	13	5.08	1.65	14.40	24.10	78.00	1.80	Jungheinrich	107TA2042
Works specs.	6 x 6	13	5.08	1.94	12.70	25.90	87.00	1.60	Sichelschmidt	107TA2043
FU156S – works specs.	6 x 6	13	5.08	2.05	14.70	27.50	83.50	2.10	Jungheinrich	107TA2044
AL566	6 x 6	13	5.08	2.08	12.70	27.60	85.00	1.79		107TA2045
BL566	6 x 6	13	5.95	2.46	15.10	32.30	120.00	2.77		107TA2046
Works specs.	6 x 7	8	5.08	1.94	12.70	28.00	90.00	1.74		107TA2047
Works specs.	6 x 7	8	5.08	1.70	13.30	25.30	90.00	1.70	Still	107TA2048
FLC578	7 x 8	9	5.08	1.80	12.00	31.50	85.70	1.80		107TA2049
Works specs.	7 x 8	9	5.08	1.94	12.70	32.50	101.00	2.00		107TA2050
LL1088	8 x 8	14	5.08	1.50	12.00	29.70	98.10	1.70	Still	107TA2051
FU158 – Works specs	8 x 8	14	5.08	1.65	14.40	30.90	102.00	2.30		107TA2053
Works specs.	8 x 8	14	5.08	1.94	12.70	34.00	115.00	2.15		107TA2054
AL588	8 x 8	14	5.08	2.08	12.70	36.20	113.00	2.37		107TA2055
BL588	8 x 8	14	5.95	2.38	15.00	42.60	174.00	3.60	Clark	107TA2056
Works specs.	8 x 8	14	5.95	1.70	14.90	31.00	130.00		Still	107TA2057
J516 – works specs.	8 x 8	14	5.08	1.65	14.70	29.60	116.00		Still	107TA2058
LL101212	12 x 12	16	5.08	1.65	12.10		135.00	2.50	Peg-Saxby	107TA2059
P: 3/4" Pitch (19.05 mm)										
LL1222	2 x 2	11	5.72	1.85	14.30	10.20	30.50	0.60		107TA2060
AL622	2 x 2	11	5.95	2.40	14.80	12.60	37.00	0.93		107TA2062
BL622	2 x 2	11	7.94	3.18	18.00	16.70	63.00	1.50		107TA2063
FLC623	2 x 3	2	5.72	1.80	14.40	12.50	32.60	0.76		107TA2065
Works specs.	2 x 3		5.72	1.81	15.00	10.00	32.00	0.82		107TA2066
BL623	2 x 3	1	7.94	3.23	18.20	20.00	60.00	1.92		107TA2067
FLC634	3 x 4	4	5.72	1.80	14.40	16.40	48.90	1.20		107TA2069
Works specs.	3 x 4		5.72	1.81	15.00	16.00	48.00	1.14		107TA2070
BL634	3 x 4	3	7.94	3.10	17.80	26.40	73.40	2.43		107TA2071
LL1244	4 x 4	12	5.72	1.85	14.30	17.80	61.00	1.18		107TA2073
FB194 – works specs.	4 x 4	12	5.72	1.83	16.10	18.10	66.00	1.40	Jungheinrich	107TA2075
Works specs.	4 x 4	12	5.72	2.29	15.00	21.30	73.00	1.20	Atlet	107TA2076
AL644	4 x 4	12	5.95	2.46	15.30	22.40	80.00	1.73		107TA2077
F1944 – works specs.	4 x 4	20	5.72	1.80	14.70	17.90				107TA2078
F194S – works specs.	4 x 4	12	5.95	2.25	14.70	22.00	76.50	1.40		107TA2081
FU194S – works specs.	4 x 4	12	6.50	2.35	18.10	22.20	85.00	2.00	Jungheinrich, Yale	107TA2082
F19V44 – works specs.	4 x 4	12	6.50	2.35	15.20	22.40	71.00	1.75	Still/Steinbock, Linde	107TA2083
BL644	4 x 4	12	7.94	3.10	17.80	29.50	97.80	2.76		107TA2084
FLC645	4 x 5	6	5.72	1.80	14.40	20.20	65.20	1.40		107TA2086
LL1245	4 x 5	6	5.72	1.81	15.00	19.70	64.00	1.47		107TA2087
BL646	4 x 6	5	7.94	3.30	18.10	37.25	120.00	3.40		107TA2088
BL646E	4 x 6	41	7.92	3.10	17.90	35.90	124.00	3.40	Lansing, Linde	163TA8745

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2	Plate thickness S	Plate depth H	Pin length B	Tensile strength	Weight	Info & used for	REF
			mm	mm	mm	mm	kN	kg/m		
FLC656	5 x 6	7	5.72	1.80	14.40	24.00	81.50	1.80		107TA2090
Works specs.	5 x 6	7	5.72	1.81	15.00	22.90	80.00	1.70		107TA2091
LL1266	6 x 6	13	5.72	1.85	14.30	25.50	91.50	1.74		107TA2092
FU196 – works specs.	6 x 6	13	5.72	1.83	16.10	25.40	99.00	2.30	Jungheinrich	107TA2094
Works specs.	6 x 6	13	5.72	2.29	15.00	30.30	110.00	1.78	Sichelschmidt	107TA2095
AL666	6 x 6	13	5.95	2.46	15.30	32.30	120.00	2.57		107TA2096
F196S – works specs.	6 x 6	13	5.95	2.25	14.70	31.50	115.00	2.10	Jungheinrich	107TA2097
FU196S – works specs.	6 x 6	13	6.50	2.35	18.10	31.70	130.00	2.90	Jungheinrich	107TA2098
F19V66 – works specs.	6 x 6	13	6.50	2.35	15.20	32.30	106.00	2.60	Kooiaap, Moffett	107TA2100
BL666	6 x 6	13	7.94	3.25	17.80	42.60	181.50	5.05		107TA2101
FLC667	6 x 7	8	5.72	1.80	14.40	27.30	97.80	2.10	Lansing	107TA2103
Works specs.	6 x 7	8	5.72	1.81	15.00	26.70	96.00	2.00		107TA2104
FLC678	7 x 8	9	5.72	1.80	14.40	32.00	114.10	2.50	Lansing	107TA2107
Works specs.	7 x 8	9	5.72	1.81	15.00	30.30	112.00	2.30		107TA2108
LL1288	8 x 8	14	5.72	1.80	14.40	34.10	125.52	2.35	BT	107TA2109
AL688	8 x 8	14	5.95	2.44	15.30	42.30	155.00	3.34		107TA2105
BL688	8 x 8	14	7.94	3.18	18.00	57.50	252.00	6.00		107TA2106
FLC689	8 x 9	10	5.72	1.80	14.40	34.50	130.40	2.75		107TA2111
Works specs.	10 x 10	17	5.72	1.80	13.60	40.00	150.00	2.79	Still	107TA2112
LL121010 – works specs.	10 x 10	18	5.72	1.80	15.30	40.20	175.00	3.05	Still	107TA2115
Works specs.	10 x 11	19	5.72	1.80	14.40	42.00	163.00	3.09	Lansing	107TA2114
P: 1" Pitch (25.40 mm)										
AL822	2 x 2	11	7.94	3.23	20.70	16.00	66.00	1.54	Paflinger	107TA2116
BL822	2 x 2	11	9.53	4.00	24.00	20.50	106.50	2.50		107TA2117
LL1622	2 x 2	11	8.27	3.06	20.20	15.50	78.00	1.42	Saxby	107TA2118
Works specs.	2 x 3	2	8.27	3.06	20.20	18.60	72.00	1.65		107TA2120
BL823	2 x 3	1	9.53	4.00	23.60	24.60	84.50	3.00		107TA2121
AN834 – works specs.	3 x 4	3	10.90	3.23/4.00*	23.60	27.60	160.00	3.45	Hyster	107TA2122
Works specs.	3 x 4	3	8.27	3.06	20.20	25.30	108.00	2.27	Clark	107TA2123
FLC834	3 x 4	4	8.27	3.18	21.00	25.80	110.00	2.50	Steinbock	107TA2124
BL834	3 x 4	3	9.53	4.00	23.60	33.10	126.70	4.15		107TA2125
Works specs.	3 x 4	3	9.54	3.75/3.10/4.00**	23.70	29.35	116.00	3.66		164TA7806
AL844	4 x 4	12	7.94	3.06	20.20	28.20	156.00	2.84		107TA2127
LL1644	4 x 4	12	8.27	3.06	20.20	28.10	155.00	2.79		107TA2128
FU254 – works specs.	4 x 4	12	8.27	3.00	23.00	29.30	140.00	3.50	Jungheinrich, Kalmar	107TA2131
BL844	4 x 4	12	9.53	4.00	23.60	37.40	169.00	4.72		107TA2132
Works specs.	4 x 5	6	8.27	3.06	20.20	28.10	144.00	2.60		107TA2136
BL846	4 x 6	5	9.53	4.00	23.60	45.50	169.00	5.86		107TA2137
FLC856	5 x 6	7	8.27	3.06	20.20	37.20	180.00	3.54		107TA2140
AL866	6 x 6	13	7.94	3.23	20.70	42.40	186.00	4.46		107TA2142
LL1666	6 x 6	13	8.27	3.06	20.20	40.50	216.00	3.88	Kalmar, Still	107TA2143
FU256 – works specs.	6 x 6	13	8.27	3.00	23.00	41.30	210.00	5.00	Jungheinrich	107TA2145
BL866	6 x 6	13	9.53	4.00	23.60	54.00	253.50	7.00		107TA2146
AN866 – works specs.	6 x 6	13	10.90	3.23/4.00*	23.70	46.30	300.00	5.95	Hyster	107TA2147

* 3.23 mm inner plate, 4.00 mm outer plate / ** 3.75 mm inner plate, 3.10 mm outer plate, 4.00 mm center plate

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Type	Combination	Combination number	Pin diameter D2 mm	Plate thickness S mm	Plate depth H mm	Pin length B mm	Tensile strength kN	Weight kg/m	Info & used for	REF
FLC867	6 x 7	8	8.27	3.18	21.00	45.00	195.70	4.64	Climax	107TA2151
Works specs.	6 x 7	8	8.27	3.06	20.20	43.60	216.00	4.20		107TA2152
Works specs.	7 x 8	9	8.27	3.06	20.20	50.00	252.00	4.47		107TA2153
FLC878	7 x 8	9	8.27	3.18		51.30	225.00	5.35		107TA2154
LL1688	8 x 8	14	8.27	3.06	20.20	52.80	290.00	5.20		107TA2155
FU258 – works specs.	8 x 8	14	8.27	3.00	23.00	52.10	280.00	6.80		107TA2157
BL888	8 x 8	14	9.53	4.00	24.00	71.00	426.00	10.00	Clark	107TA2158
AL888	8 x 8	14	7.94	3.25	20.60	57.75	245.20	5.35		107TA2159
P: 1 1/4" Pitch (31.75 mm)										
AL1022	2 x 2	11	9.53	4.01	25.60	19.60	101.00	2.37		107TA2161
LL2022	2 x 2	11	10.17	3.56	25.30	18.20	95.00	2.03		107TA2162
Works specs.	2 x 2	11	10.17	4.16	22.80	20.80	106.00	1.95		107TA2164
BL1022	2 x 2	11	11.11	4.80	30.00	24.50	148.00	3.60		107TA2165
Works specs.	2 x 3	2	9.53	3.06	25.30	19.00	80.00	2.45		107TA2166
BL1023	2 x 3	1	11.11	4.88	29.60	28.70	145.00	4.44	Caterpillar, Mitsubishi	107TA2167
Works specs.	3 x 4		9.53	3.06	25.30	26.00	120.00	3.40		107TA2168
FLC1034	3 x 4	4	9.53	3.23	25.40	26.20	82.80	3.26	Steinbock	107TA2169
Works specs.	3 x 4	4	10.17	4.16	22.80	34.00	159.00	3.37		107TA2170
BL1034	3 x 4	3	11.11	4.88	29.60	38.60	244.00	6.17		107TA2171
AL1044	4 x 4	12	9.53	4.02	25.30	36.70	200.00	4.68		107TA2172
LL2044	4 x 4	12	10.17	3.56	25.30	33.40	190.00	4.25		107TA2173
Works specs.	4 x 4	12	10.17	4.16	22.80	37.90	214.00	3.84	Atlet	107TA2175
BL1044	4 x 4	12	11.11	4.88	29.60	43.60	303.00	7.04		107TA2176
Works specs.	4 x 5	6	9.53	3.06	25.30	32.60	160.00	4.40		107TA2177
FLC1045 – works specs.	4 x 5	6	9.53	3.23	25.40	33.00	110.30	4.10		107TA2178
BL1046	4 x 6	5	11.11	4.88	29.60	53.50	310.00	8.78		107TA2179
1046	4 x 6	5	13.25	4.70	29.20	49.10	241.00	8.60	Hyster, NLA	107TA2180
Works specs.	5 x 6	7	9.53	3.06	25.30	39.60	200.00	5.40		107TA2181
FLC1056	5 x 6	7	9.53	3.23	25.40	39.40	137.90	5.12		107TA2182
Works specs.	5 x 6	7	10.17	4.16	22.80	51.40	266.00	5.26		107TA2183
AL1066	6 x 6	13	9.53	4.00	25.70	52.40	265.00	7.03		107TA2184
LL2066	6 x 6	13	10.17	3.70	25.40	48.90	285.00	6.19		107TA2185
Works specs.	6 x 6	13	10.17	4.16	22.80	55.00	304.00	5.72		107TA2187
BL1066	6 x 6	13	11.11	4.88	29.60	63.40	450.00	10.52		107TA2188
FLC1067	6 x 7	8	9.53	3.23	25.40	46.00	165.40	6.06		107TA2189
Works specs.	6 x 7	8	9.53	3.06	25.30	46.00	240.00	6.40		107TA2190
Works specs.	7 x 8	9	9.53	3.06	25.30	52.40	280.00	7.30	MIC	107TA2191
FLC1078	7 x 8	9	9.53	3.23	25.40	52.60	193.00	6.99	Steinbock	107TA2192
Works specs.	7 x 8	9	10.17	3.60	26.00	60.30	309.26	8.35		107TA2193
AL1088	8 x 8	14	9.53	4.01	25.60	68.70	406.00	9.31	Bauman, Jumbo	107TA2194
LL2088	8 x 8	14	10.17	3.60	26.00	65.10	353.00	8.40	Dantruck	107TA2195
Works specs.	8 x 8	14	10.17	4.16	22.80	72.10	427.00	7.63		107TA2196
BL1088	8 x 8	14	11.11	4.80	30.00	84.00	592.00	14.00		107TA2197
FLC1089	8 x 9	10	9.53	3.23	25.40	59.20	211.70	7.92		107TA2198
P: 1 1/2" Pitch (38.10 mm)										
AL1222	2 x 2	11	11.11	4.83	30.50	24.30	136.00	3.65		107TA2199
LL2422	2 x 2	11	14.63	5.10	31.00	28.40	147.10	3.80		107TA2200
BL1222	2 x 2	11	12.71	5.65	36.00	28.60	190.00	5.10		107TA2201
BL1223	2 x 3	1	12.71	5.50	34.40	33.60	151.00	5.80		107TA2202

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Type	Combination	Combination number	Pin diameter D2	Plate thickness S	Plate depth H	Pin length B	Tensile strength	Weight	Info & used for	REF
			mm	mm	mm	mm	kN	kg/m		
BL1234	3 x 4	3	12.71	5.68	35.90	45.10	305.00	9.25		107TA2203
Works specs.	3 x 4	4	14.63	5.55	30.70	43.90	270.00	6.45		107TA2204
AL1244	4 x 4	12	11.11	4.83	30.50	43.80	272.00	7.05		107TA2205
BL1244	4 x 4	12	12.71	5.50	34.40	51.20	302.40	9.10		107TA8752
LC1244	4 x 4	12	13.42	5.13	30.60	46.30	340.00	7.18		107TA2207
F384U – works specs.	4 x 4	12	14.63	5.00	33.40	53.20	354.00	9.10	Kalmar, with sideplates	107TA2206
LL2444	4 x 4	12	14.63	5.08	30.70	46.80	340.00	7.07	Kalmar	107TA2208
Works specs.	4 x 4	12	14.63	5.55	30.70	49.10	360.00	7.35	Atlet	107TA2209
BL1246	4 x 6	5	12.71	5.68	35.90	62.70	405.00	13.16		107TA2210
AL1266	6 x 6	13	11.11	4.88	30.70	63.50	368.00	9.94		107TA2211
BL1266	6 x 6	13	12.71	5.68	35.90	74.20	560.00	15.77		107TA2212
F386U – works specs.	6 x 6	13	14.63	5.00	33.40	75.20	540.00	12.50	With sideplates	107TA2213
LL2466	6 x 6	13	14.63	5.00	33.00	68.30	510.00	12.00		107TA2214
Works specs.	6 x 6	13	14.63	5.55	30.70	71.60	540.00	10.95		107TA2215
LC 1266	6 x 6	13	13.42	5.72	30.60	63.50				139TA5946
BL1288	8 x 8	14	12.71	5.68	35.90	97.40	650.00	20.98		107TA2216
LC1288	8 x 8	14	13.42	5.13	30.60	87.90	636.00	14.23		107TA2217
F388U – works specs.	8 x 8	14	14.63	5.00	33.40	94.20	700.00	16.50	Kalmar, with sideplates	107TA2218
LL2488	8 x 8	14	14.63	5.00	33.00	89.70	680.00	16.30		107TA2219
Works specs.	8 x 8	14	14.63	5.55	30.70	94.10	720.00	13.50	SVE	107TA2220
F3888WU – works specs.	8 x 8	15	14.63	5.00	33.40	94.20	700.00	14.23	Kalmar – SVE	107TA2221
AL1288	8 x 8	14	11.11	4.70	29.40	84.20	508.00	14.00	Caterpillar	107TA2222
Works specs.	10 x 10	17	13.42	5.13	30.60	108.80	795.00	17.75		107TA2223
LL241010 – works specs.	10 x 10	17	14.63	5.10	31.00	113.80	850.00	20.00		107TA2224
P: 1 3/4" Pitch (44.45 mm)										
AL1422	2 x 2	11	12.71	5.61	35.60	28.10	182.00	4.67		107TA2225
BL1422	2 x 2	11	14.28	6.45	42.00	32.60	240.00	6.70		107TA2226
LL2822/f4422	2 x 2	11	15.92	6.35	30.00	34.00	171.70	4.50		107TA2227
BL1423	2 x 3	1	14.28	6.45	42.00	40.20	240.00	7.20		107TA2228
BL1434	3 x 4	3	14.28	6.38	41.90	51.20	316.00	12.14		107TA2229
AL1444	4 x 4	12	12.71	5.61	35.60	50.80	364.00	9.12		107TA2230
BL1444	4 x 4	12	14.28	6.30	40.80	58.20	382.60	12.60	Heli	107TA2231
LL2844/F4444	4 x 4	12	15.92	6.55	33.50	58.00	400.00	12.00		107TA2232
BL1446	4 x 6	5	14.28	6.30	40.80	71.50	382.60	15.70		107TA2234
AL1466	6 x 6	13	12.71	5.61	35.60	73.60	547.00	13.64		107TA2235
BL1466	6 x 6	13	14.28	6.30	40.80	85.00	642.00	18.80		107TA2236
LL2866/F4466	6 x 6	13	15.92	6.00	36.00	80.20	515.00	13.00		107TA2237
BL1488	8 x 8	14	14.28	6.45	42.00	112.00	960.00	26.50	Linde	107TA2238
EL1488	8 x 8	14	15.92	6.35	30.00	112.00	686.70	17.00		107TA2239
P: 2" Pitch (50.80 mm)										
AL1622	2 x 2	11	14.28	6.43	40.70	31.90	231.00	5.79		107TA2240
BL1622	2 x 2	11	17.46	7.40	48.00	37.60	360.00	8.80		107TA2241
F5022	2 x 2	11	17.81	6.00	43.00	30.50	265.00	6.73		107TA2243
BL1623	2 x 3	1	17.46	7.40	48.00	46.60	3600.00	110.00		107TA2244
BL1634	3 x 4	3	17.46	7.40	48.00	57.80	540.00	15.40		107TA2245

LEAF CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS

LEAF CHAINS WITHOUT PLASTIC INSERTS



Type	Combination	Combination number	Pin diameter D2	Plate thickness S	Plate depth H	Pin length B	Tensile strength	Weight	Info & used for	REF
			mm	mm	mm	mm	kN	kg/m		
AL1644	4 x 4	12	14.28	6.43	40.70	57.80	463.00	11.44		107TA2246
BL1644	4 x 4	12	17.46	7.40	48.00	67.90	720.00	17.70		107TA2247
LL3244/F5044	4 x 4	12	17.81	6.30	41.20	59.10	520.00	11.90	Kalmar	107TA2248
F504 – works specs.	4 x 4	12	17.81	6.00	43.00	54.50	530.00	13.10	Kalmar	107TA2249
F504U – works specs.	4 x 4	12	17.81	6.00	43.00	60.20	530.00	13.50	With sideplates	112TA8494
Works specs.	4 x 4	12	20.32	7.14	47.63	73.66	667.20	17.58		107TA2250
BL1646	4 x 6	5	17.46	7.18	47.80	78.90	690.00	22.29		107TA2251
AL1666	6 x 6	13	14.28	6.30	41.20	85.00	642.00	18.00		107TA2252
BL1666	6 x 6	13	17.46	7.18	47.80	93.80	1000.00	26.70		107TA2253
LL3266/F5066	6 x 6	13	17.81	6.30	41.20	85.40	780.00	17.80		107TA2254
F506 – works specs.	6 x 6	13	17.81	6.00	43.00	80.50	800.00	19.50		107TA2255
F506U – works specs.	6 x 6	13	17.81	6.00	43.00	87.20	800.00	20.00	Kalmar, with sideplates	107TA2256
Works specs.	6 x 6	13	20.32	7.14	47.63	103.38	934.10	26.00		107TA2257
AL1688	8 x 8	14	14.28	6.43	40.70	109.60	927.00	22.74		107TA2259
BL1688	8 x 8	14	17.46	7.18	47.80	126.00	1300.00	35.53		107TA2258
LL3288/F5088	8 x 8	14	17.81	6.30	41.20	112.00	1040.00	23.80	Fantuzzi, Sisu	107TA2260
F508 – works specs.	8 x 8	14	17.81	6.00	43.00	105.50	1050.00	25.80	Fantuzzi	107TA2261
F508U – works specs.	8 x 8	14	17.81	6.00	43.00	111.20	1050.00	26.50	Kalmar, SVE, with sideplates	107TA2262
F5088U – works specs.	8 x 8	15	17.81	6.00	43.00	111.20	1050.00	26.50	Kalmar, SVE, with sideplates	107TA2263
Works specs.	8 x 8	14	20.32	7.14	47.63	133.10	1245.00	34.32	Henley, 40 tonnes	107TA2264
LL321010/ F501010	10 x 10	18	17.81	6.30	41.00	142.00	1350.00	36.00	Cat, 40 tonnes	107TA2265
F501010	10 x 10	18	17.81	6.00	43.00	135.00	1330.00	33.10	Valmet	107TA2266
P: 2 1/2" Pitch (63.50 mm)										
AL2022	2 x 2	11	19.84	8.00	58.80	41.50	342.00	9.70		107TA2267
LL4022/F6322	2 x 2	11	22.89	8.00	48.50	44.70	333.50	9.45		107TA2268
AL2044	4 x 4	12	19.84	8.00	58.80	77.10	684.00	19.30		107TA2272
LL4044/F6344	4 x 4	12	22.89	8.00	48.50	77.90	667.10	18.40		107TA2269
F634U	4 x 4	12	22.89	8.00	52.00	81.20	845.00	19.40		107TA2271
BL2066	6 x 6	13	23.73	9.50	60.30	127.60	1623.00	42.00		122TA7319
AL2066	6 x 6	13	19.84	8.00	58.80	110.20	1026.00	28.90		107TA2273
EL2066	6 x 6	13	22.89	8.00	48.00	106.50	1080.00	26.60		107TA2270
F636U – works specs.	6 x 6	13	22.89	8.00	52.00	112.20	1270.00	29.10	Kalmar, SVE	107TA2274
AL2088	8 x 8	14	19.84	8.00	58.80	143.30	1368.00	38.50		107TA2275
BL2088	8 x 8	14	23.73	9.50	60.30	167.00	2164.00	56.00		107TA2276
LL4088/F6388	8 x 8	14	22.89	8.20	52.80	138.40	1600.00	39.00	Linde, SVE	107TA2277
F638U – works specs.	8 x 8	14	22.89	8.00	52.00	146.00	1690.00	38.80	Kalmar	107TA2279
P: 3" Pitch (76.20 mm)										
LL4822	2 x 2	11	29.22	10.00	60.00	56.10	490.50	14.80		107TA2280
LL4844	4 x 4	12	29.22	10.00	60.00	97.40	981.00	28.80		107TA2281
LL4866	6 x 6	13	29.22	10.00	60.00	138.90	1471.50	42.50		107TA2282
LL4888	8 x 8	14	29.22	10.00	60.00	180.40	1962.00	56.20		107TA2283
Works specs.	8 x 8	14	34.67	7.14	73.03	160.02	1842.00	61.02		107TA2284
Works specs.	10 x 10	18	34.67	7.14	73.03	189.61	2342.00	74.41	LancerBoss, 40 tonnes	107TA2285

CHAIN REELS

CHAIN REELS

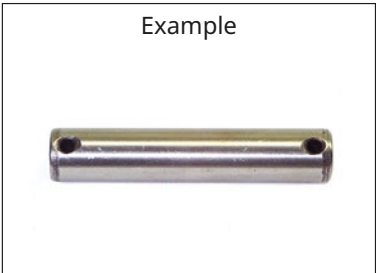


Type	10-metre reel	30-metre reel	50-metre reel	Connecting link
AL644	115TA3780	139TA3604		115TA3824
AL666	122TA5295	139TA3605		122TA5301
AL844	115TA3781	139TA3606		115TA3825
AL866	122TA5297	139TA3607		122TA5303
AL1066	122TA5296	139TA3608		122TA5302
BL446	122TA5307		139TA3609	122TA5317
BL523	139TA3636		139TA3610	139TA3634
BL534	115TA3782		139TA3611	115TA3826
BL544	115TA3783		139TA3612	115TA3827
BL546	122TA5308		139TA3613	122TA5318
BL566	115TA3784		139TA3614	115TA3828
BL623	115TA3785	139TA3615		115TA3829
BL634	115TA3786	139TA3616		115TA3830
BL644	115TA3787	139TA3617		115TA3831
BL646	115TA3788	139TA3618		115TA3832
BL666	139TA3637	139TA3619		139ta3635
BL822	115TA3789	139TA3620		115TA3833
BL823	115TA3790	139TA3621		115TA3834
BL834	115TA3791	139TA3622		115TA3835
BL844	115TA3792	139TA3623		115TA3836
BL846	115TA3793	139TA3624		115TA3837
BL866	115TA3794	139TA3625		115TA3838
BL1023	122TA5304	139TA3626		122TA5314
BL1034	122TA5305	139TA3627		122TA5315
BL1046	122TA5306	139TA3628		122TA7687
LL1044	115TA3795		139TA3629	115TA3839
LL1066	115TA3796		139TA3630	115TA3840
LL1244	115TA3797	139TA3631		115TA3841
LL1266	115TA3798	139TA3632		115TA3842
LL1622	115TA3799	139TA6257		115TA3843
LL1644	115TA3800	139TA3633		115TA3844
LL1666	115TA3801	139TA6258		115TA3845

TECHNICAL SHEETS - ENGLISH

CHAIN PIN

Group
10-01-11-00



Customer details

Type of machine:

Price inquiry

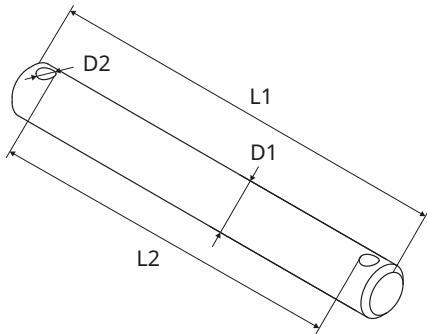
Serial n° machine:

Order

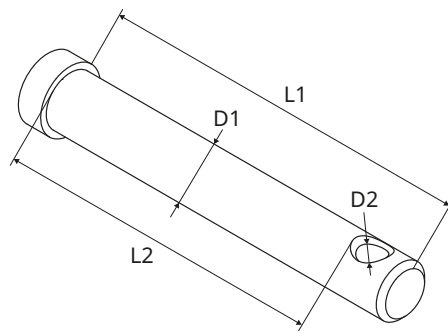
	TY-PI.....	Type of pin, see figures (mm)
	D1	Pin diameter (mm)
	D2	Diameter of cotter pin holes (mm)
	L1	Total length pin (without head) (mm)
	L2	Length between mountings (mm), only type A and B
	MAT	Material chain pin: S = <i>steel</i> C = <i>chrome</i>
	TY-KT1	Possible chain types
	TY-KT2	Possible chain types
	TY-KT3	Possible chain types

TYPE OF PIN

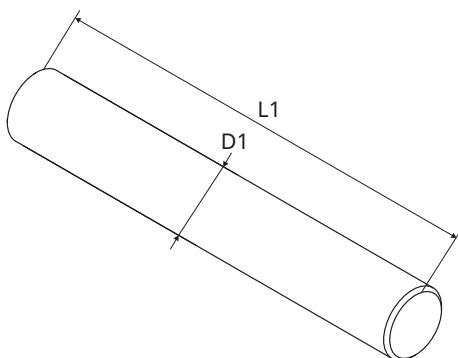
TYPE A
Cottered chain pin



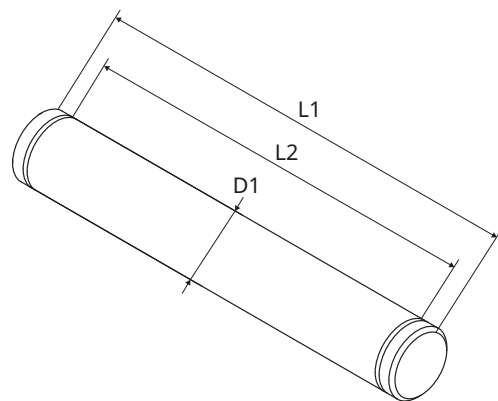
TYPE B
Headed chain pin



TYPE C
Press-fit chain pin/revet pin



TYPE D
Pin with 2 grooves



AXE DE CHAÎNE

Groupe
10-01-11-00

Exemple



Données client

Type de machine :

Demande de prix

No. de série machine :

Commande

- TY-PI Type axe, voir dessin (mm)
- D1 Diamètre axe (mm)
- D2 Diamètre des trous de goupille fendue (mm)
- L1 Longueur totale axe (sans tête) (mm)
- L2 Longueur entre fixations (mm), seulement type A, B et D
- MAT Matériel axe de chaîne :
 - S = acier*
 - C = chrome*
- TY-KT1 Types axes de chaînes
- TY-KT2 Types axes de chaînes
- TY-KT3 Types axes de chaînes

TECHNICAL SHEETS - GERMAN

KETTENBOLZEN

Gruppe
10-01-11-00

Beispiel



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

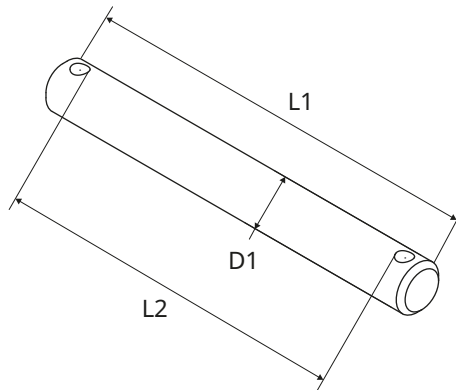
Bestellung

- TY-PI Bolzentyp, siehe Abbildungen (mm)
- D1 Bolzendurchmesser (mm)
- D2 Durchmesser splintlöcher (mm)
- L1 Gesamtlänge Bolzen (ohne Kopf) (mm)
- L2 Länge zwischen Befestigungen (mm), nur Typ A, B und D
- MAT Material Kettenbolzen:
 - S = *Stahl*
 - C = *Chrom*
- TY-KT1 Mögliche Kettentypen
- TY-KT2 Mögliche Kettentypen
- TY-KT3 Mögliche Kettentypen

Siehe technische Datenblätter auf Englisch.



Watch out when choosing a chain pin.
 Width of the connected chain anchor could be larger than the width of the chain on its own.
 L2 most important length to fit to the anchor.
 Anchor width < L2



TYPE A: COTTERED CHAIN PINS

Diameter D1 (mm)	Inner dimensions L2 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference				REF
3.96	13.20	20.00	AL444				
3.96	19.50	26.30	AL466				139TA3639
4.45	16.00	22.20	EL444				104TA3536
4.45	23.00	29.20	EL466				107TA2436
5.08	10.80	17.00	EL522				139TA3640
5.08	11.40	17.70	BL422	AL522			139TA3641
5.08	12.70	19.00	BL423	FLC523			139TA3642
5.08	15.30	21.30	EL544				104TA3534
5.08	17.00	23.20	FLC534				139TA3643
5.08	18.50	25.00	FB154				139TA3644
5.08	19.20	25.30	BL444	AL544			113TA1815
5.08	22.30	28.40	EL566				139TA3645
5.08	26.40	32.30	BL466	FB156	FLC556	AL566	104TA3488
5.08	29.00	35.00	FB156S	EL588			139TA3646
5.08	30.00	37.50	1588-F87				139TA3647
5.08	35.50	41.80	FLC578	FB158	BL488	AL588	139TA3648
5.08	43.00	52.00	J524				139TA3649
5.72	19.40	27.40	FLC623	FLC634	EL644	FB194	139TA3650
5.72	20.80	29.00	FLC645				113TA1822
5.72	26.70	34.70	FLC656	LL1266	FB196		139TA3651
5.72	33.80	41.80	FLC667				139TA3652
5.72	34.10	41.90	EL688	FLC678			139TA3653
5.72	35.40	43.20	FLC689				139TA3654
5.72	41.00	49.00	191010-4F87				139TA3655
5.72	46.00	54.00	FLC61011				139TA3656
5.94	12.80	19.40	AL622				139TA3657
5.94	13.20	20.40	BL522				104TA3510
5.94	15.30	22.60	BL523				104TA3519
5.94	20.00	26.60	BL534	FLC545			104TA3520
5.94	22.80	30.00	BL544	AL644	F194S		128TA4198
5.95	25.00	33.00	BL546				139TA3658
5.94	32.00	39.30	BL566	AL666	F196S		128TA4199
5.94	40.10	46.60	AL688				139TA3659
5.94	42.50	49.30	BL588				104TA3538
6.50	23.50	30.00	FB194S	F19V-44			139TA3660
6.50	32.50	40.20	F19V-66				139TA3662
6.50	36.00	44.20	FB196S				139TA3661

TYPE A: COTTERED CHAIN PINS

Diameter	Inner dimensions	Outer dimensions	Suitable for chain types			REF
D1 (mm)	L2 (mm)	L1 (mm)	ISO-reference			
7.92	20.00	30.70	BL622	BL623	AL822	139TA3663
7.92	27.60	37.80	BL634			128TA4201
7.92	29.50	38.70	BL644	AL844		104TA3547
7.92	37.00	47.40	BL646			128TA4202
7.92	43.00	53.70	BL666	AL866		139TA3664
7.92	56.50	67.20	BL688	AL888		139TA3665
8.27	16.00	26.00	EL822			139TA3666
8.27	28.30	37.70	EL844	FLC834		104TA3491
8.27	30.50	40.40	FB254			139TA3667
8.27	41.00	51.70	FLC856	EL866		139TA3668
8.27	47.00	60.50	FB256			139TA3669
8.27	54.30	64.40	EL888	FLC878	FB258	139TA3670
9.53	21.40	32.55	BL822	AL1022		104TA3548
9.53	25.00	35.70	BL823			128TA4203
9.53	31.30	42.90	BL834	FLC1034		128TA4204
9.53	34.00	42.00	FLC1045			139TA3671
9.53	37.00	47.70	BL844	AL1044		104TA3544
9.53	41.00	52.00	FLC1056			139TA3672
9.53	46.00	56.70	BL846			104TA3505
9.53	47.40	60.00	FLC1067			139TA3673
9.53	53.20	64.40	BL866	AL1066	FLC1078	128TA4207
9.53	69.50	80.30	BL888	AL1088		104TA3499
10.14	24.30	35.50	EL1022			139TA3675
10.14	33.00	43.70	EL1044			104TA3514
10.14	47.10	58.30	EL1066			139TA3676
10.14	62.20	75.50	EL1088	EL1078		139TA3677
10.90	30.00	43.00	AN834			139TA3678
10.90	52.60	65.20	AN866			139TA3679
11.11	30.00	42.40	BL1023	AL1222	BL1022	104TA3539
11.11	39.20	51.60	BL1034			139TA3680
11.11	43.60	56.00	BL1044	AL1244		139TA3681
11.11	54.20	66.60	BL1046			107TA2421
11.11	58.60	71.80	BL1066	AL1266		139TA3682
11.11	79.90	92.40	BL1088	AL1288		104TA3484
12.70	34.40	42.00	BL1222	BL1223		139TA3683
12.70	46.40	58.40	BL1234			139TA3684
12.70	52.50	64.40	BL1244	AL1444		139TA3685
12.70	63.60	76.00	BL1246			139TA3686
12.70	75.60	87.80	BL1266	AL1466		139TA3687
12.70	98.80	110.80	BL1288			139TA3688
14.27	38.70	51.10	BL1423			139TA3689
14.27	45.20	58.60	BL1422	AL1622		139TA3690
14.27	52.00	64.50	BL1434			139TA3691
14.27	58.80	72.00	BL1444	AL1644		139TA3692
14.27	71.70	82.70	BL1446			139TA3693
14.27	89.50	97.00	BL1466	AL1666		139TA3694
14.63	48.50	60.60	EL1244			139TA3695
14.63	69.20	81.60	EL1266	F384U		107TA2438
14.63	75.30	89.00	F386U			139TA3696
14.63	90.80	104.40	EL1288			139TA3697
14.63	109.00	119.00	F388U			139TA3698
15.90	29.70	42.10	EL1422			139TA3699
15.90	66.00	74.80	EL1444			139TA3700
15.90	80.20	92.70	EL1466			139TA3701
15.90	106.00	118.50	EL1488			139TA3702

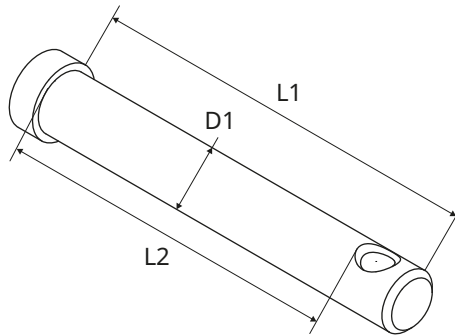
TYPE A: COTTERED CHAIN PINS

Diameter D1 (mm)	Inner dimensions L2 (mm)	Outer dimensions L1 (mm)	Suitable for chain types ISO-reference	REF
17.46	43.50	60.00	BL1623	139TA3703
17.46	58.40	75.50	BL1634	139TA3704
17.46	65.70	82.90	BL1644	139TA3705
17.46	80.20	97.40	BL1646	139TA3706
17.46	95.30	112.20	BL1666	139TA3707
17.46	124.00	141.60	BL1688	139TA3708
17.76	34.40	51.90	EL1622	104TA3553
17.76	59.90	77.50	EL1644	F504 104TA3523
17.76	81.40	93.75	F506	F 506 U 104TA3490
17.76	86.40	104.00	EL1666	104TA3552
17.76	108.20	119.00	F508	F508U 139TA3709
17.76	114.20	131.50	EL1688	139TA3710
17.76	144.00	165.00	F501U	F501010 139TA3711
22.80	73.30	94.40	EL2044	104TA3554
22.80	106.60	127.60	EL2066	104TA3555
22.80	140.10	161.10	EL2088	104TA3513
29.18	91.50	112.50	EL2444	139TA3712
29.18	133.50	154.50	EL2466	139TA3713
29.18	174.20	195.50	EL2488	139TA3714

LEAF CHAINS

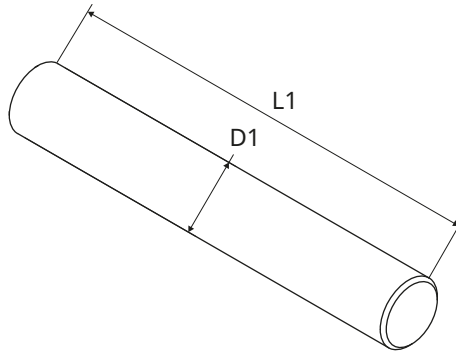
CHAIN PINS

TYPE B: HEADED CHAIN PINS



Diameter D1	Inner dimensions L2	Outer dimensions L1	Suitable for chain types ISO-reference				REF
mm	mm	mm					
5.08	26.50	30.50	BL546	FLC556	FB156	EL588	139TA3715
5.08	31.00	35.10	AL566	FB 56S			163TA8754
5.95	19.30	22.50	FLC623	FLC634	FB194	EL644	139TA3716
5.95	32.30	38.10	AL666	F196S	BL566	FLC678	104TA3570
5.95	44.50	51.50	BL588	AL688			113TA1742
7.92	19.00	24.00	BL622	AL822			139TA3717
7.92	28.60	33.60	BL634	AL844			139TA3718
7.92	31.50	36.50	BL623	BL644			104TA3571
7.92	38.20	43.60	BL646				104TA3574
8.27	34.50	40.00	LL1644				139TA3719
9.40	63.30	11.00	FLC1089				104TA3577
9.52	22.00	28.00	AL1022	BL822			139TA3720
9.52	28.00	35.00	FLC1034				139TA3721
9.52	35.50	41.20	BL834	FLC1045			104TA3575
9.52	46.00	51.10	BL846	FLC1067	BL844+pl		104TA3576
11.11	42.10	50.80	BL1034				104TA3563
11.11	67.30	76.20	BL1046	BL1066	AL1266		104TA3565
11.80	30.50	35.00	AL1222				139TA3722
12.60	56.00	92.50	BL1244	AL1444			139TA3723
12.60	68.50	83.60	BL1246				139TA3724
14.27	76.50	86.60	BL1446				104TA3567
15.70	60.00	67.00	EL1444				139TA3725

TYPE C: PRESS-FIT CHAIN PIN/REKET PINS

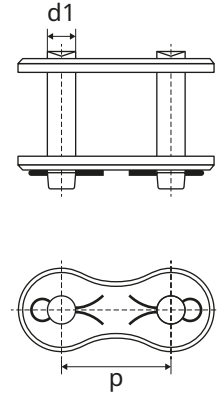
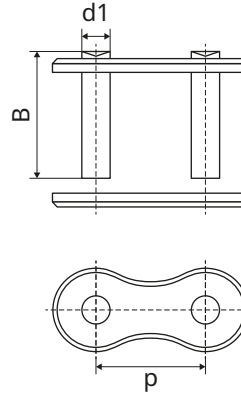
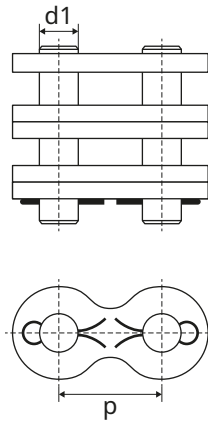
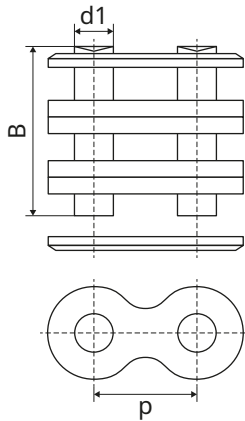


Diameter D1	Outer dimensions L1	Suitable for chain types ISO-reference			REF
mm	mm				
5.08	17.00	FB154			139TA3726
5.08	24.00	BL446	EL566	FB156	139TA3727
5.72	25.00	FB196	FB194K		139TA3728
5.94	27.20	BL546			139TA3729
5.94	32.00	AL666			139TA3730
5.94	32.30	BL566			139TA3731
5.94	22.50	AL644			139TA3732
5.94	22.50	BL544			139TA3733
5.94	19.70	534			139TA3734
5.94	19.70	BL534			139TA3734
6.50	31.50	FB196S			139TA3735
6.50	32.20	F19 V-66			139TA3736
7.92	20.00	BL623			139TA3737
7.92	26.40	BL634			139TA3738
7.92	28.00	AL844			139TA3739
7.92	29.70	BL644			139TA3740
7.92	36.50	BL646			139TA3741
7.92	43.00	BL666			139TA3742
8.27	29.20	FB254			116TA4993
8.27	41.40	FB256			139TA3744
8.27	42.20	EL866			139TA3745
9.53	53.50	BL866			139TA3746
9.53	32.70	BL834			139TA3747
9.53	45.00	BL846			139TA3748
11.00	38.30	BL1034			139TA3749
14.10	51.10	BL1434			139TA3750
14.60	93.00	F388U			139TA3751
17.46	93.40	BL1666			139TA3752
17.76	60.00	F504U			139TA3753
17.76	87.00	F506U			139TA3754
17.76	105.00	F508			139TA3755
17.76	111.00	F508U			139TA3756

LEAF CHAINS

CONNECTING LINKS

CONNECTING LINKS



Type chain	REF connecting link
AL422	139TA3765
BL422	139TA3766
BL423	139TA3766
BL434	139TA3767
BL446	139TA3768
AL466	139TA3769
BL466	139TA3770
BL523	107TA2383
BL534	107TA2384
LL1044	107TA2405
AL544	107TA2403
BL544	107TA2385
BL546	107TA2386
LL1066	139TA3771
AL566	107TA2404
BL566	113TA1741
LL1088	107TA2406
AL588	139TA3772
BL588	107TA2387
BL622	139TA3773
BL623	139TA3774
BL634	139TA3775
LL1244	107TA2409
AL644	107TA2407
F19V-44	139TA3776
BL644	107TA2390
FLC645	139TA3777
BL646	107TA2391
LL1266	107TA2410
AL666	107TA2408
BL666	107TA2392
FLC667	139TA3778

Type chain	REF connecting link
LL1288	139TA3779
AL688	139TA3780
BL822	107TA2393
BL823	107TA2394
AN834	113TA1744
FLC834	139TA3781
BL834	107TA2395
AL844	107TA2411
LL1644	107TA2413
BL844	107TA2396
BL846	107TA2397
AL866	107TA2412
LL1666	139TA3782
BL866	107TA2398
AN866	139TA3783
BL1023	107TA2399
BL1034	107TA2400
AL1044	107TA2414
LL2044	107TA2417
BL1044	139TA3784
BL1046	139TA3785
FLC1056	139TA3786
AL1066	107TA2415
LL2066	107TA2418
BL1066	107TA2402
FLC1078	139TA3787
AL1088	107TA2416
BL1234	113TA1753
BL1266	139TA3788
BL1288	139TA3789
BL1446	139TA3790
LL3288	139TA3791

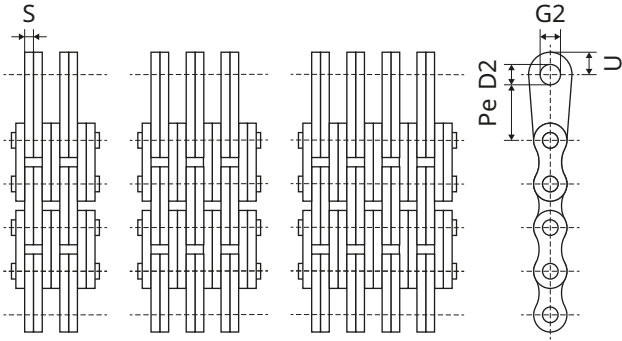


Only to connect chain to anchor.
Never connect individual pieces of chain together. This will always void the warranty.

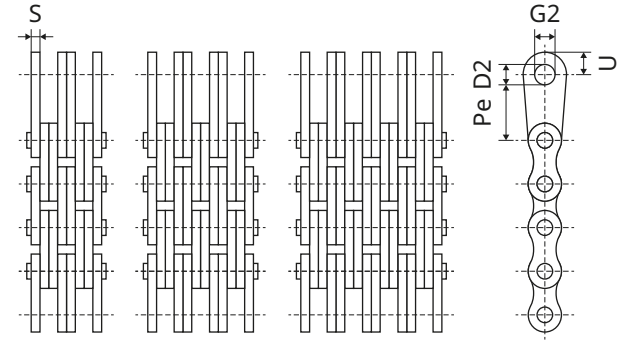
END PLATES

END PLATES

INNER END PLATES



OUTER END PLATES



		Pe	D2	G2	S	U	REF
		mm	mm	mm	mm	mm	
F1244	Inner end link	15.00	6.00	16.00	1.70	10.00	139TA4390
	Outer end link						139TA4391
F1266	Inner end link						139TA4392
	Outer end link						139TA4393
F1544	Inner end link	20.00	8.00	18.00	1.50	11.00	139TA4394
	Outer end link						139TA4395
F1566	Inner end link						139TA4396
	Outer end link						139TA4397
F2544	Inner end link	30.00	12.00	25.00	3.00	15.00	139TA4398
	Outer end link						139TA4399
F2566	Inner end link						139TA4400
	Outer end link						139TA4401
F2588	Inner end link						139TA4402
	Outer end link						139TA4403
F3144	Inner end link	50.00	18.00	40.00	3.50	25.00	139TA4404
	Outer end link						139TA4405
F3166	Inner end link						139TA4406
	Outer end link						139TA4407
F3188	Inner end link						139TA4408
	Outer end link						139TA4409
F3844	Inner end link	65.00	24.00	50.00	5.00	29.00	139TA4410
	Outer end link						139TA4411
F3866	Inner end link						139TA4412
	Outer end link						139TA4413
F19v44	Inner end link	25.00	10.00	19.80	2.35	11.20	139TA4414
	Outer end link						139TA4415
F19v66	Inner end link						139TA4416
	Outer end link						
AL644	Inner end link	25.00	10.00	19.80	2.40	11.20	139TA4418
	Outer end link						139TA4419
AL666	Inner end link						139TA4420
	Outer end link						139TA4421
AL688	Inner end link						139TA4422
	Outer end link						139TA4423
AL1044	Inner end link	40.00	14.00	30.00	4.00	18.00	139TA4424
	Outer end link						139TA4425
AL1066	Inner end link						139TA4426
	Outer end link						139TA4427
FU154	Outer end link	30.00	10.00	20.00	1.70	10.50	139TA4428
FU156	Outer end link						139TA4429
FU158	Outer end link						139TA4430
FU156S	Outer end link	20.00	8.30	18.00	2.00	18.20	139TA4431

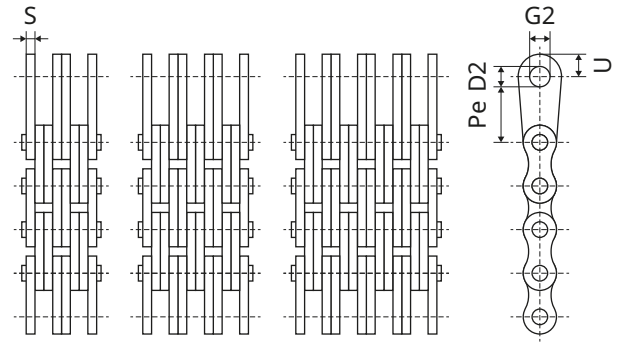
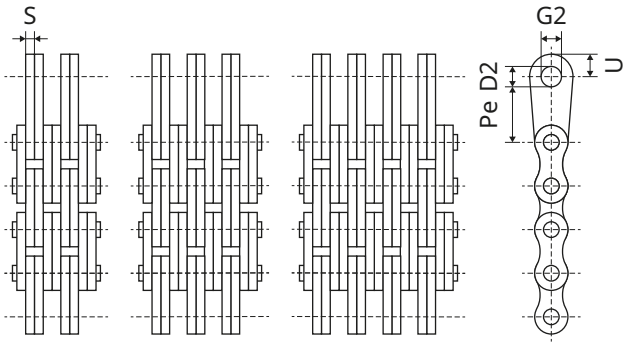
LEAF CHAINS

END PLATES

END PLATES

INNER END PLATES

OUTER END PLATES



		Pe	D2	G2	S	U	REF
		mm	mm	mm	mm	mm	
FU194	Outer end link	30.00	10.00	20.00	1.80	12.10	139TA4432
FU196	Outer end link						139TA4433
FU194S	Outer end link	25.00	10.30	20.00	2.30	12.10	139TA4434
FU196S	Outer end link						139TA4435
FU254	Outer end link	45.00	13.00	35.00	3.00	17.50	139TA4436
FU256	Outer end link						139TA4437
FU258	Outer end link						

CORROSION PROOF CHAINS

CORROSION PROOF CHAINS FOR FORKLIFTS



CORROSION PROOF CHAINS

- Dacromat surface treatment
- corrosive environment
- humid atmosphere
- saline atmosphere

In lifting:

Continuous stitches of lifting series J (LL), LH (BL) and AL.

Anti-corrosion:

A mineral coating protects the components of the chain.

Increased lifespan:

The pins are thermochemically treated comparable to a chromium plating for increased hardness and a higher resistance to corrosion.

Higher resistance to traction, where:

- The corrosion does not allow the use of a normal chain.
- The requirements are higher than stainless steel chain can provide.



Type	Combination	Combination number	Pin diameter D2 mm	Plate thickness S mm	Plate depth H mm	Pin length B mm	Tensile strength kN	Weight kg/m	REF
P: 5/8" Pitch (15.875 mm)									
BL534DR	3 x 4	3	5.95	2.40	14.50	20.00	60.00	1.45	107TA7702
LL1044DR	4 x 4	12	5.08	1.50	12.00	16.10	49.05	0.90	107TA2027
BL544DR	4 x 4	12	5.95	2.38	12.00	22.60	78.00	1.66	139TA4475
BL546DR	4 x 6	5	5.95	2.38	15.00	27.70	87.00	2.20	107TA2033
LL1066DR	6 x 6	13	5.08	1.50	12.00	22.90	73.58	1.30	107TA2041
P: 3/4" Pitch (19.05 mm)									
BL623DR	2 x 3	1	7.94	3.18	18.00	20.70	63.00	1.90	107TA2068
BL634DR	3 x 4	3	7.94	3.30	18.10	27.10	90.00	2.35	107TA2072
LL1244DR	4 x 4	12	5.72	1.85	14.30	17.80	61.00	1.18	107TA2074
AL644DR	4 x 4	12	5.95	2.40	14.30	22.30	63.60	1.65	107TA2080
BL644DR	4 x 4	12	7.94	3.30	18.10	30.50	120.00	2.80	107TA2085
BL646DR	4 x 6	5	7.94	3.30	18.10	37.25	120.00	3.40	107TA2089
LL1266DR	6 x 6	13	5.72	1.85	14.30	25.50	91.50	1.74	107TA2093
BL666DR	6 x 6	13	7.94	3.30	18.10	44.00	180.00	4.00	107TA2102
P: 1" Pitch (25.40 mm)									
BL834DR	3 x 4	3	9.53	4.02	24.00	33.70	180.00	4.35	107TA2126
LL1644DR	4 x 4	12	8.27	3.20	20.80	30.20	132.00	2.85	107TA2129
BL846DR	4 x 6	5	9.53	4.00	24.00	46.20	213.00	6.20	107TA2138
LL1666DR	6 x 6	13	8.27	3.18	21.00	43.20	220.65	4.50	107TA2144

LEAF CHAINS

CORROSION PROOF CHAINS

CORROSION PROOF CHAINS FOR FORKLIFTS

Type	Matching pin	Matching connecting link
BL534DR	139TA4441	139TA4458
LL1044DR	139TA4442	139TA4459
	139TA4443	139TA4460
BL546DR	139TA4444	139TA4461
LL1066DR	139TA4445	139TA4462
BL623DR	139TA4446	139TA4463
BL634DR	139TA4447	139TA4464
LL1244DR	139TA4448	139TA4465
AL644DR	139TA4449	139TA4466
BL644DR	139TA4450	139TA4467
BL646DR	139TA4451	139TA4468
LL1266DR	139TA4452	139TA4469
BL666DR	139TA4453	139TA4470
BL834DR	139TA4454	139TA4471
LL1644DR	139TA4455	139TA4472
BL846DR	139TA4456	139TA4473
LL1666DR	139TA4457	139TA4474



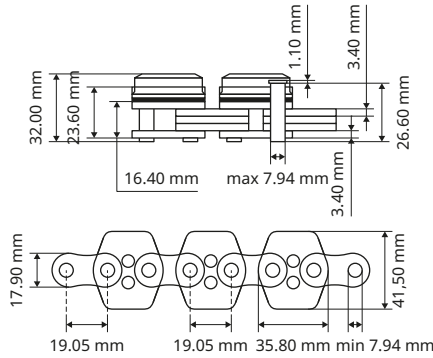
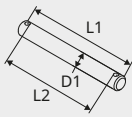
LEAF CHAINS WITH PLASTIC INSERTS

USED FOR LINDE



Matching cotterpin:
7.93 x 27.00 x 37.70 mm

REF [139TA4520](#)



TYPE 080

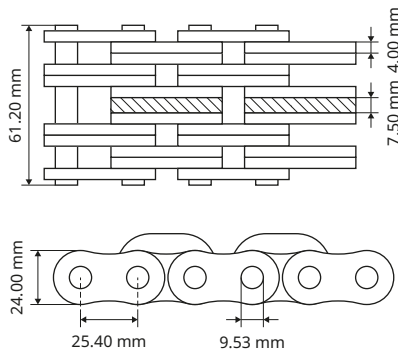
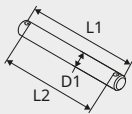
- Combination: 23
- Pin diameter: 7.94 mm
- Plate thickness: 3.40 mm
- Plate depth: 17.90 mm
- Pin length: 26.60 mm
- Tensile strength: 62 kN
- Weight: 2.20 kg/m

REF [107TA2064](#)



Matching cotterpin:
9.52 x 62.20 x 73.00 mm

REF [139TA4506](#)



TYPE 102

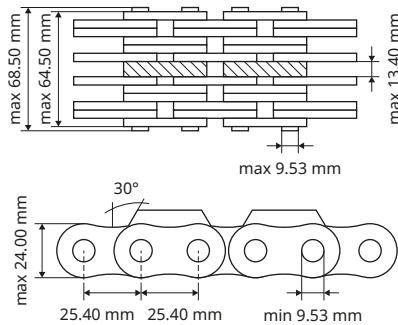
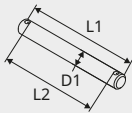
- Combination: 30
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 24.00 mm
- Pin length: 61.20 mm
- Tensile strength: 319.50 kN
- Weight: 7.50 kg/m

REF [107TA2149](#)



Matching cotterpin:
9.52 x 69.50 x 80.30 mm

REF [139TA4527](#)



TYPE 104

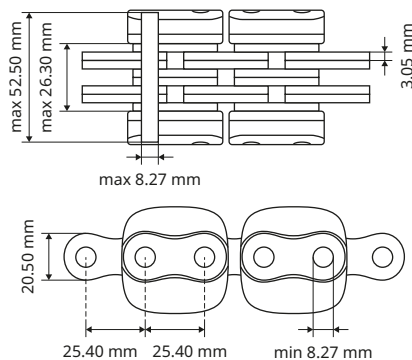
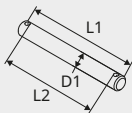
- Combination: 29
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 24.00 mm
- Pin length: 68.50 mm
- Tensile strength: 315 kN
- Weight: 7 kg/m

REF [107TA2148](#)



Matching cotterpin:
8.27 x 47.00 x 56.90 mm

REF [104TA3527](#)



TYPE 105

- Combination: 26
- Pin diameter: 8.27 mm
- Plate thickness: 3.05 mm
- Plate depth: 20.50 mm
- Pin length: 52.50 mm
- Tensile strength: 116 kN
- Weight: 3 kg/m

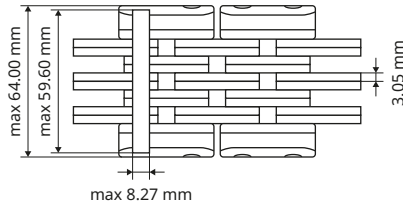
REF [107TA2135](#)

Available in European OEM brand and Asian OEM brand.

LEAF CHAINS

LEAF CHAINS WITH PLASTIC INSERTS

USED FOR LINDE

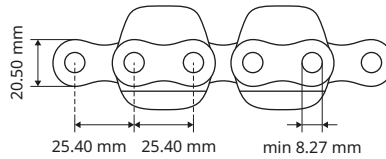
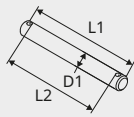


TYPE 106

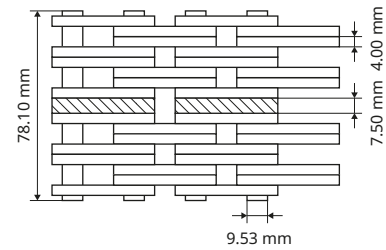
- Combination: 31
- Pin diameter: 8.27 mm
- Plate thickness: 3.05 mm
- Plate depth: 20.50 mm
- Pin length: 59.50 mm
- Tensile strength: 174 kN
- Weight: 4.20 kg/m

Matching cotterpin:
8.27 x 50.50 x 60.50 mm

REF [104TA3506](#)



REF [107TA2150](#)

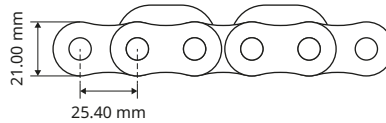
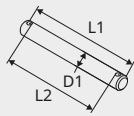


TYPE 108

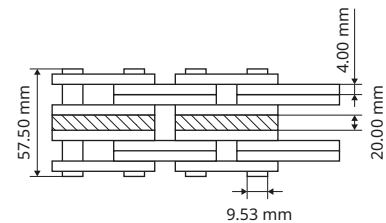
- Combination: 28
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 21 mm
- Pin length: 78.10 mm
- Tensile strength: 294.20 kN
- Weight: 6 kg/m

Matching cotterpin:
9.52 x 82.70 x 93.00 mm

REF [139TA4507](#)



REF [107TA2160](#)

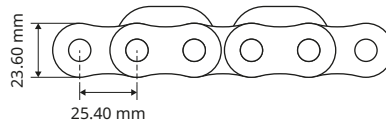
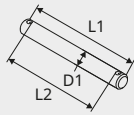


TYPE 109

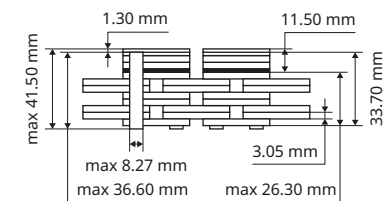
- Combination: 25
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 23.60 mm
- Pin length: 57.50 mm
- Tensile strength: 210 kN
- Weight: 4.90 kg/m

Matching cotterpin:
9.52 x 62.20 x 73.00 mm

REF [139TA4506](#)



REF [107TA2133](#)

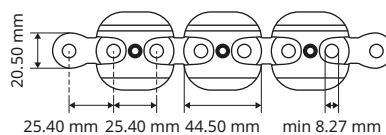
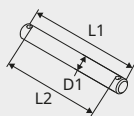


TYPE 110

- Combination: 27
- Pin diameter: 8.27 mm
- Plate thickness: 3.05 mm
- Plate depth: 20.50 mm
- Pin length: 36.60 mm
- Tensile strength: 116 kN
- Weight: 2.80 kg/m

Matching cotterpin:
8.27 x 37.20 x 48.30 mm

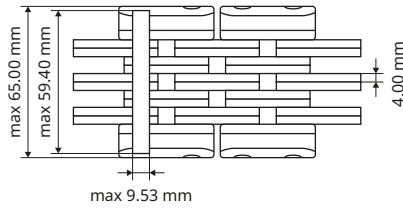
REF [139TA4526](#)



REF [107TA2139](#)

Available in European OEM brand and Asian OEM brand.

USED FOR LINDE



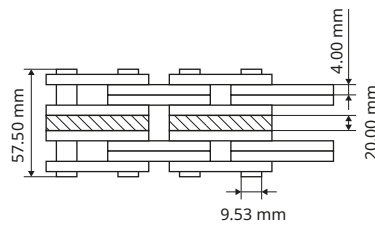
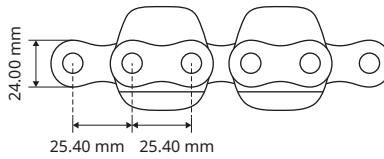
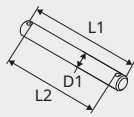
TYPE 111

- Combination: 31
- Pin diameter: 9.53 mm
- Plate thickness: 3.05 mm
- Plate depth: 24.00 mm
- Pin length: 59.50 mm
- Tensile strength: 253 kN
- Weight: 8.50 kg/m

REF [122TA7690](#)

Matching cotterpin:
9.52 x 62.20 x 73.00 mm

REF [139TA4528](#)



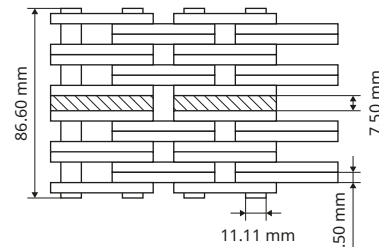
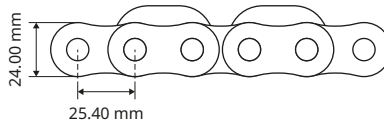
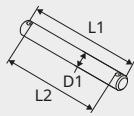
TYPE 116

- Combination: 33
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 24.00 mm
- Pin length: 57.50 mm
- Tensile strength: 210 kN
- Weight: 4.95 kg/m

REF [111TA3480](#)

Matching cotterpin:
9.52 x 62.20 x 73.00 mm

REF [139TA4506](#)



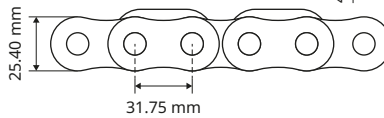
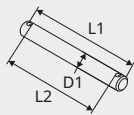
TYPE 119

- Combination: 28
- Pin diameter: 11.11 mm
- Plate thickness: 4.50 mm
- Plate depth: 25.40 mm
- Pin length: 86.60 mm
- Tensile strength: 465 kN
- Weight: 9.10 kg/m

REF [122TA7689](#)

Matching cotterpin:
10.14 x 62.00 x 72.70 mm

REF [139TA6259](#)



LEAF CHAINS

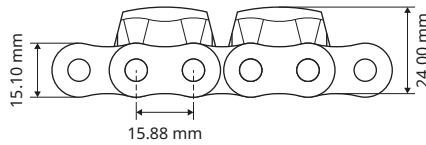
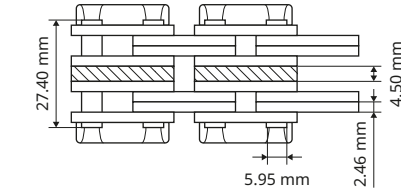
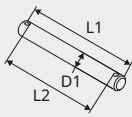
LEAF CHAINS WITH PLASTIC INSERTS

USED FOR TOYOTA/CESAB



Matching cotterpin:
5.95 x 29.00 x 33.50 mm

REF [139TA4519](#)



TYPE BL544KS

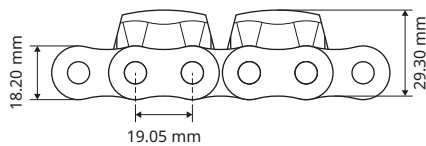
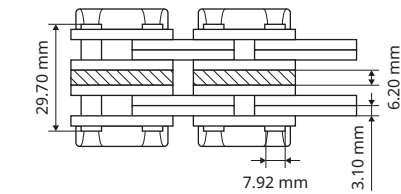
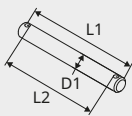
- Combination: 37
- Pin diameter: 5.95 mm
- Plate thickness: 2.46 mm
- Plate depth: 15.10 mm
- Pin length: 27.40 mm
- Tensile strength: 66.70 kN
- Weight: 2.30 kg/m

REF [136TA3213](#)



Matching cotterpin:
7.92 x 30.50 x 40.50 mm

REF [104TA3547](#)



TYPE BL644KS

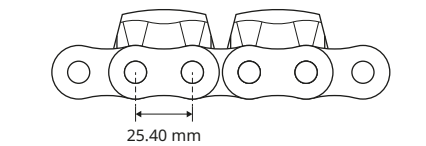
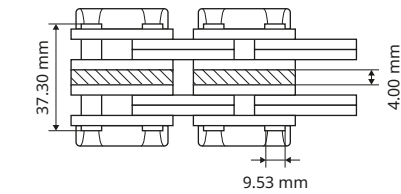
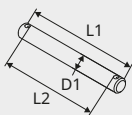
- Combination: 37
- Pin diameter: 7.92 mm
- Plate thickness: 3.10 mm
- Plate depth: 14.60 mm
- Pin length: 29.70 mm
- Tensile strength: 120 kN
- Weight: 2.90 kg/m

REF [163TA8746](#)



Matching cotterpin:
9.53 x 37.00 x 47.50 mm

REF [104TA3544](#)



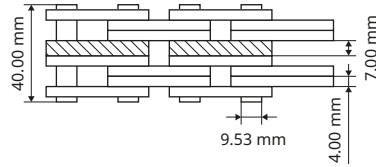
TYPE BL844KS

- Combination: 37
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 23.60 mm
- Pin length: 37.30 mm
- Tensile strength: 210 kN
- Weight: 3.50 kg/m

REF [163TA8747](#)

Available in European OEM brand and Asian OEM brand.

USED FOR STEINBOCK

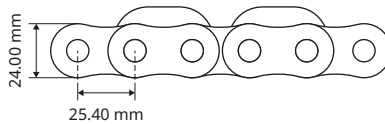
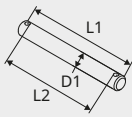


TYPE BL834LKS

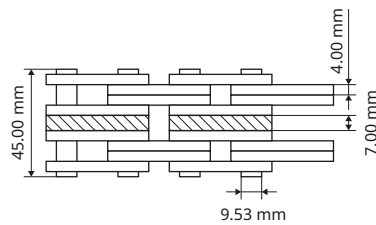
- Combination: 32
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 24.00 mm
- Pin length: 40.00 mm
- Tensile strength: 125 kN
- Weight: 4.20 kg/m

Matching cotterpin:
9.52 x 41.00 x 52.00 mm

REF [139TA3672](#)



REF [107TA2130](#)

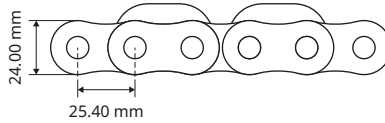
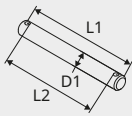


TYPE BL844LKS

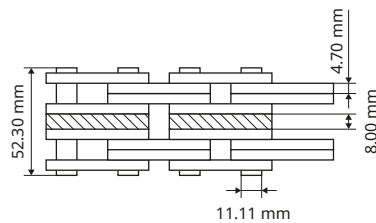
- Combination: 24
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 24.00 mm
- Pin length: 45.00 mm
- Tensile strength: 213 kN
- Weight: 4.90 kg/m

Matching cotterpin:
9.52 x 46.00 x 56.70 mm

REF [139TA4525](#)



REF [107TA2134](#)

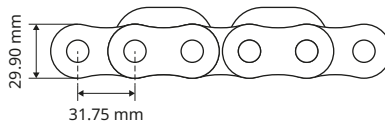
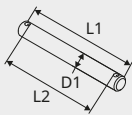


TYPE BL1044KS

- Combination: 24
- Pin diameter: 11.11 mm
- Plate thickness: 4.88 mm
- Plate depth: 29.60 mm
- Pin length: 52.20 mm
- Tensile strength: 303 kN
- Weight: 7.20 kg/m

Matching cotterpin:
11.09 x 51.00 x 65.60 mm

REF [139TA4529](#)

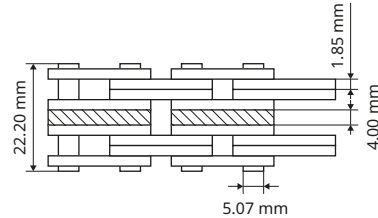


REF [139TA4560](#)

LEAF CHAINS

LEAF CHAINS WITH PLASTIC INSERTS

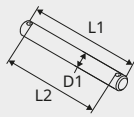
USED FOR JUNGHEINRICH



TYPE FU194K

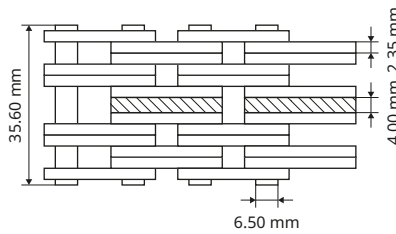
- Combination: 21
- Pin diameter: 5.72 mm
- Plate thickness: 1.85 mm
- Plate depth: 16.30 mm
- Pin length: 22.20 mm
- Tensile strength: 85 kN
- Weight: 2.10 kg/m

Matching cotterpin:
5.72 x 26.60 x 34.60 mm



REF [139TA4521](#)

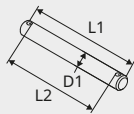
REF [107TA2025](#)



TYPE FU196SK

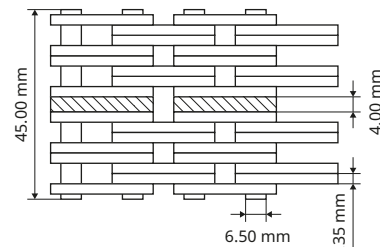
- Combination: 22
- Pin diameter: 6.50 mm
- Plate thickness: 2.35 mm
- Plate depth: 18.20 mm
- Pin length: 35.60 mm
- Tensile strength: 99 kN
- Weight: 3 kg/m

Matching cotterpin:
6.50 x 36.00 x 44.00 mm



REF [139TA4522](#)

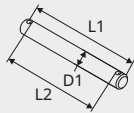
REF [107TA2099](#)



TYPE FU198K

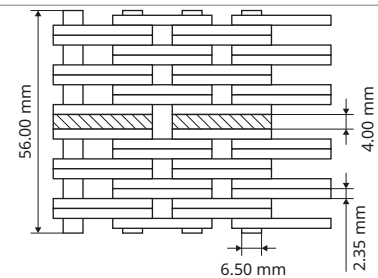
- Combination: 35
- Pin diameter: 6.50 mm
- Plate thickness: 2.35 mm
- Plate depth: 18.10 mm
- Pin length: 45 mm
- Tensile strength: 138 kN
- Weight: 4.80 kg/m

Matching cotterpin:
6.50 x 41.00 x 4.00 mm



REF [139TA4523](#)

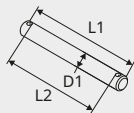
REF [122TA7312](#)



TYPE FU191SK

- Combination: 34
- Pin diameter: 6.50 mm
- Plate thickness: 2.30 mm
- Plate depth: 18.10 mm
- Pin length: 56 mm
- Tensile strength: 215 kN

Matching cotterpin:
9.52 x 62.20 x 73.00 mm

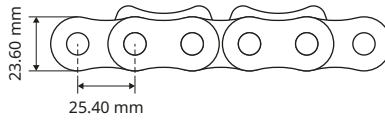
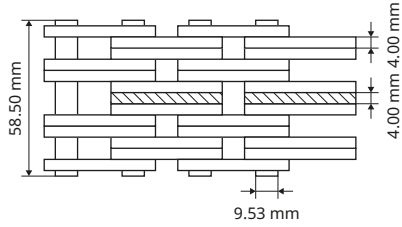


REF [139TA4528](#)

REF [111TA3479](#)

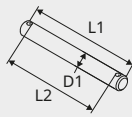
Available in European OEM brand and Asian OEM brand.

USED FOR JUNGHEINRICH



Matching cotterpin:
9.52 x 62.20 x 73.00 mm

REF [139TA4528](#)



TYPE BLK866

- Combination: 38
- Pin diameter: 9.53 mm
- Plate thickness: 4.00 mm
- Plate depth: 23.60 mm
- Pin length: 58.50 mm
- Tensile strength: 315 kN
- Weight: 7.40 kg/m

REF [139TA4560](#)


























02.

**CHAINS FOR
PORT EQUIPMENT**

CHAINS FOR PORT EQUIPMENT

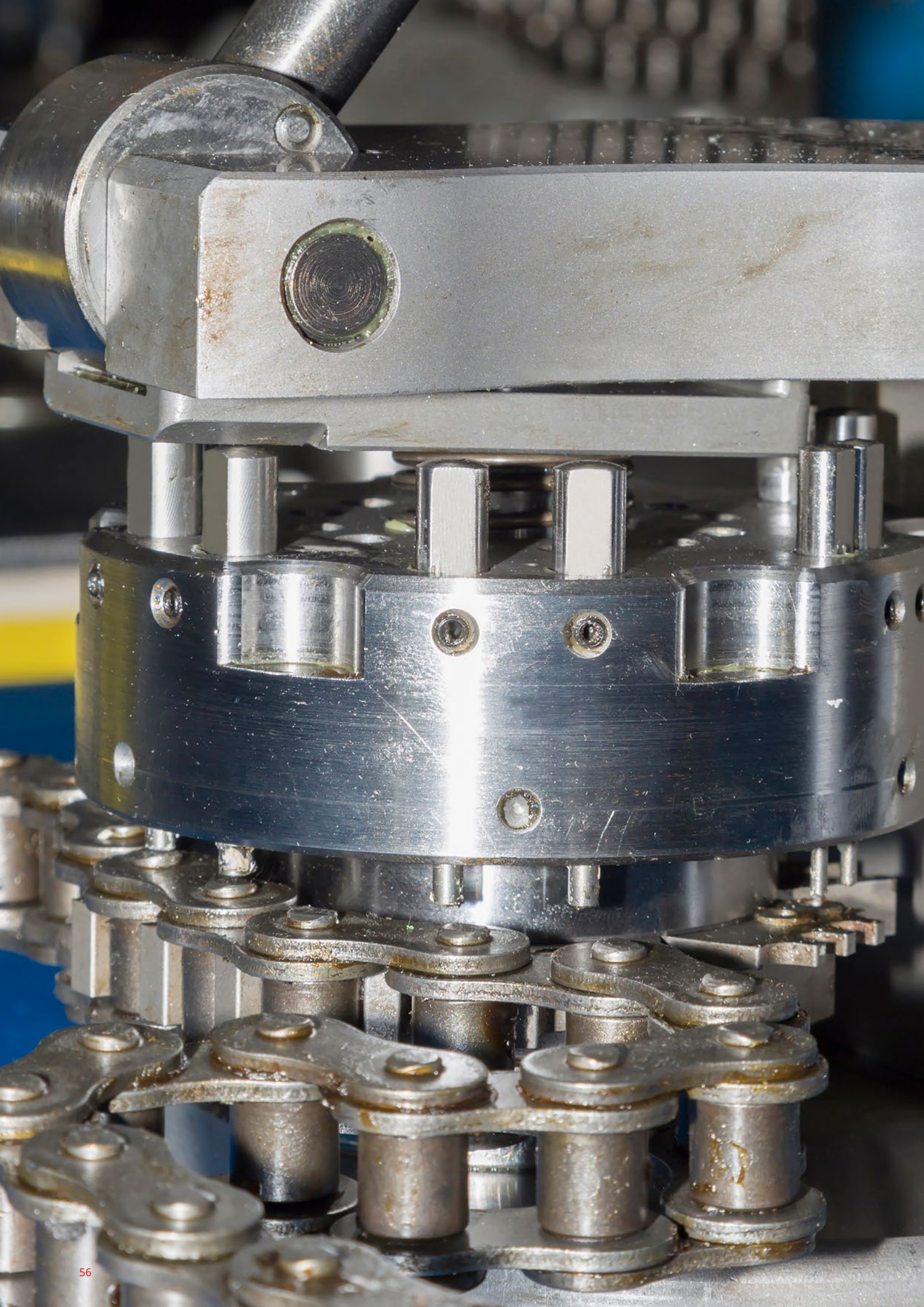
CHAINS FOR PORT EQUIPMENT

TVH stocks a wide range of renowned brands, such as Wippermann, Donghua and Rexnord. Every chain is supplied with a certificate that guarantees quality. Contact your sales advisor for other types of chains.

Type	Brand	Combination / combination number	Pin diameter D2 mm	Plate thickness S mm	Plate depth H mm	Pin length B mm	Tensile strength kN	REF
 F3844	Rexnord	4 x 4 / 12	14.63	5.08	30.70	46.80	340	107TA2208
 F3866	Rexnord	6 x 6 / 13	14.63	5.00	33.00	68.30	510	107TA2214
 F388U	Wippermann	8 x 8 / 14	14.63	5.00	33.40	94.20	700	107TA2218
 F3888WU	Wippermann	8 x 8 / 15	14.63	5.00	33.40	94.20	700	107TA2221
 F5044	Wippermann	4 x 4 / 12	17.81	6.00	43.00	54.50	530	107TA2249
 BL1646	Rexnord	4 x 6 / 5	17.46	7.18	47.80	78.90	690	107TA2251
 BL1446	Rexnord	4 x 6 / 5	14.28	6.30	4.80	71.50	500	107TA2234
 BL1446	RexAthletic	4 x 6 / 5	14.28	6.30	4.80	71.50	500	164TA7755
 BL1666	Rexnord	6 x 6 / 13	17.46	7.18	47.80	93.80	1000	107TA2253
 BL1666	RexAthletic*	6 x 6 / 13	17.46	7.18	47.80	93.80	1000	163TA7855
 F5066	Rexnord	6 x 6 / 13	17.81	6.30	41.20	85.40	780	107TA2254
 F506U	Wippermann	6 x 6 / 13	17.81	6.00	43.00	87.20	800	107TA2256
 BL1688	Rexnord	8 x 8 / 14	17.46	7.18	47.80	126.00	1300	107TA2258
 F5088	Rexnord	8 x 8 / 14	17.81	6.30	41.20	112.00	1040	107TA2260
 F5088	Wippermann	8 x 8 / 14	17.81	6.00	43.00	105.50	1050	107TA2261
 F508U	Wippermann	8 x 8 / 14	17.81	6.00	43.00	111.20	1050	107TA2262
 F6366	Rexnord	6 x 6 / 13	22.89	8.00	48.00	106.50	1080	107TA2270
 F636U	Wippermann	6 x 6 / 13	22.89	8.00	52.00	112.20	1270	107TA2274
 F638U	Wippermann	8 x 8 / 14	22.89	8.00	52.00	146.00	1690	107TA2279
 16B1	Donghua		8.28	20.50		35.40	60	107TA2308
 ASA160-2	Donghua		14.27	47.80		122.10	453.6	107TA2344

* Increased wear-resistance compared to standard chain.







03.

**ROLLER
CHAINS AND
SPROCKETS**

ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS

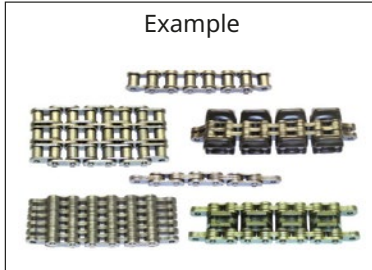
TECHNICAL SHEETS - ENGLISH

CHAINS

Group

10-01-03-00

Example



Customer details

Type of machine:

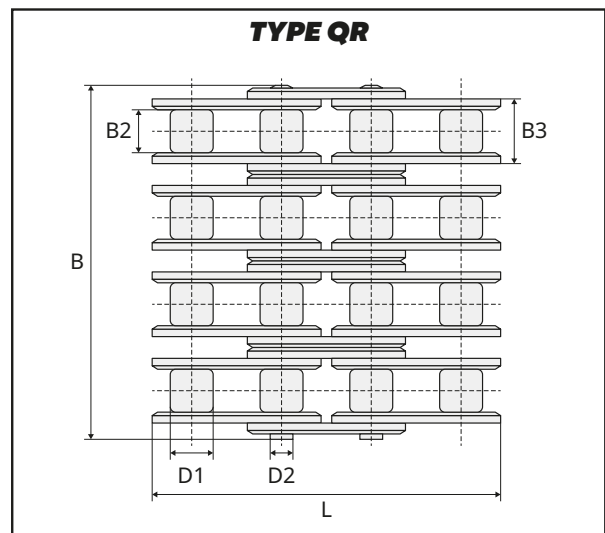
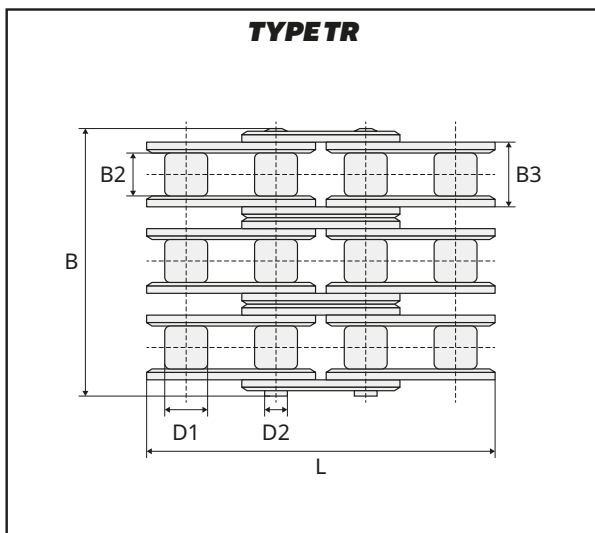
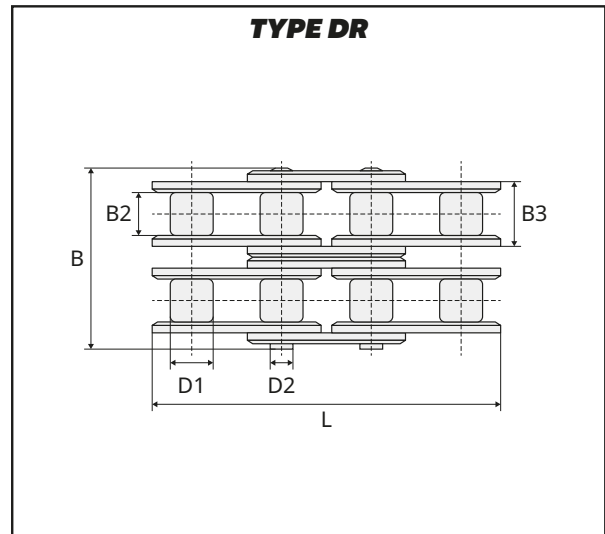
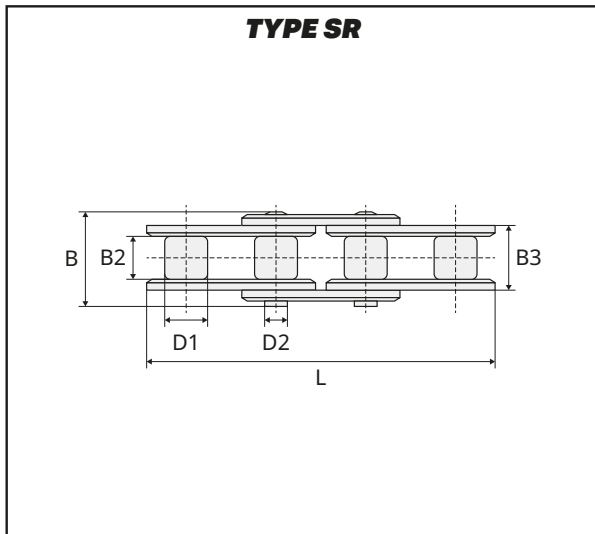
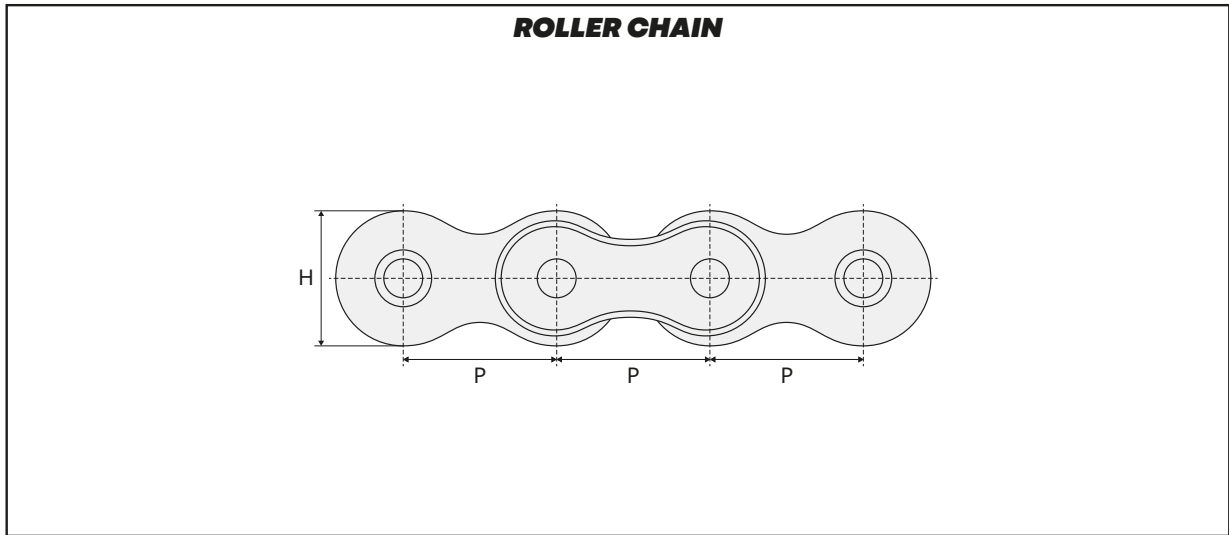
Price inquiry

Serial n° machine:

Order

	TY-K..... Type of chain: <i>SR = simplex roller chain</i> <i>DR = duplex roller chain</i> <i>TR = triplex roller chain</i> <i>QR = quadruplex roller chain</i> <i>SK = leaf chain</i>
	H..... Total height
	P..... Pitch length
	L..... Total length
	B..... Total width
	B2..... Inner link width
	B3..... Inner width
	D1..... Roller diameter
	D2..... Pin diameter
	S..... Plate thickness
	TY-SK..... Type of leaf chain, see combinations
	MAT..... Material: <i>ST = steel</i> <i>SS = stainless steel</i> <i>DA = dachromat (zinc plated)</i>
	KIT..... Yes/no, if chain lock(s) and/or chain anchor(s) are present
	F1..... Nominal breaking load, in kN
	F2..... Actual breaking load, in kN
	F3..... Test load, in kN
	F4..... Safe working load, in kN/1 000 000 cycles

DIMENSIONS



ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS

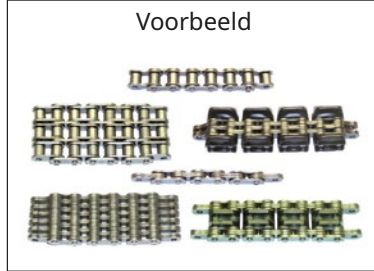
TECHNICAL SHEETS - DUTCH

KETTINGEN

Groep

10-01-03-00

Voorbeeld



Gegevens klant

Type machine:

Prijsaanvraag

Serienr. machine:

Bestelling

TY-K..... Type ketting:

SR = simplex rollenketting

DR = duplex rollenketting

TR = triplex rollenketting

QR = quadruplex rollenketting

SK = schalmenketting

H..... Totale hoogte

P..... Pas lengte

L..... Totale lengte

B..... Totale breedte

B2..... Breedte binnenkant link

B3..... Binnenste breedte

D1..... Rol diameter

D2..... Pin diameter

S..... Schalmdikte

TY-SK..... Type schalmenketting, zie combinaties

MAT..... Materiaal:

ST = staal

SS = roestvrij staal

DA = dachromet (verzinkt)

KIT..... Ja/nee, indien kettingslot(en) en/of kettinganker(s) aanwezig zijn

F1..... Nominaal breekkracht, in kN

F2..... Reële breekkracht, in kN

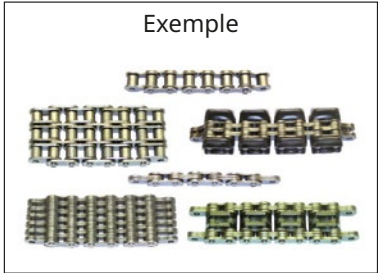
F3..... Testkracht, in kN

F4..... Maximale belasting, in kN/1 000 000 cyclus

Zie Engelse technische fiche!

CHAÎNES

Groupe
10-01-03-00



Données client

Type de machine :

Demande de prix

No. de série machine :

Commande

- TY-K..... Type de chaîne :
 - SR = chaîne à rouleaux simplex
 - DR = chaîne à rouleaux duplex
 - TR = chaîne à rouleaux triplex
 - QR = chaîne à rouleaux quadruplex
 - SK = chaîne à maille jointive
- H..... Hauteur totale
- P..... Longueur du pas
- L..... Longueur de la chaîne
- B..... Largeur totale
- B2..... Largeur (voir figure)
- B3..... Largeur (voir figure)
- D1..... Diamètre du rouleau
- D2..... Diamètre du pas
- S..... Épaisseur (voir figure)
- TY-SK..... Type de chaîne à maille jointive, voir combinaisons
- MAT..... Matériel :
 - ST = acier
 - SS = acier inoxydable
 - DA = dachromat (galvanisé)
- KIT..... Oui/non, si présence d'attache(s) rapide(s) ou de tirant(s) de chaîne
- F1..... Charge de rupture nominale, en kN
- F2..... Charge de rupture réelle, en kN
- F3..... Charge d'essai, en kN
- F4..... Charge maximale, en kN / 1 000 000 cycles

Voir la fiche technique en Anglais.

ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS

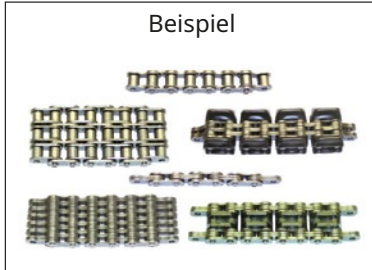
TECHNICAL SHEETS - GERMAN

KETTEN

Gruppe

10-01-03-00

Beispiel



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

Bestellung

TY-K..... Kettentyp:

SR = Simplex Rollenkette

DR = Duplex Rollenkette

TR = Triplex Rollenkette

QR = Quadruplex Rollenkette

SK = Flyerkette

H..... Gesamthöhe

P..... Teilung

L..... Gesamtlänge

B..... Gesamtbreite

B2..... Breite Kettenglied

B3..... Breite

D1..... Rollendurchmesser

D2..... Bolzendurchmesser

S..... Plattenstärke

TY-SK..... Typ Flyerkette, siehe Kombinationen

MAT..... Material:

ST = Stahl

SS = Inox

DA = Dachromat (galvanisch verzinkt)

KIT..... Ja/nein, wenn Kettenschloss(schlösser) und/oder Kettenanker vorhanden sind

F1..... Nominale Bruchkraft, in kN

F2..... Reelle Bruchkraft, in kN

F3..... Testkraft, in kN

F4..... Maximale Belastung, in kN/1 000 000 Zyklus

Siehe technische Datenblätter auf Englisch.

ROLLER CHAINS

Type	Pitch P	Inner width B3 min	Roller diameter D1 max	Pin diameter D2 max	Inner width B2 max	Plate height H max	Pin length L max	Strength FB	Weight q	REF
	mm	mm	mm	mm	mm	mm	mm	kN	kg/m	
Simplex chain										
05B1	8.000	3.00	5.00	2.31	4.77	7.10	8.60	5.00	0.18	107TA2287
ASA25	6.350	3.18	3.30	2.31	4.68	6.00	9.10	3.50	0.13	107TA2288
ASA35	9.525	4.68	5.08	3.58	7.47	9.00	12.00	7.90	0.33	107TA2290
06B1	9.525	5.72	6.35	3.28	8.53	8.30	13.50	9.00	0.41	107TA2291
81	12.700	3.30	7.75	3.65	5.80	9.90	10.20	8.20	0.28	107TA2292
83	12.700	4.88	7.75	4.09	7.90	10.30	12.90	12.00	0.42	107TA2295
84	12.700	4.88	7.75	4.09	8.80	11.10	14.80	16.00	0.59	107TA2296
85	12.700	6.38	7.77	3.58	9.07	9.90	14.00	6.80	0.38	107TA2297
08B1	12.700	7.75	8.51	4.45	11.30	11.60	16.70	18.00	0.70	107TA2298
ASA40	12.700	7.85	7.95	3.96	11.15	11.60	16.30	14.10	0.62	107TA2299
ASA50	15.875	9.40	10.16	5.08	13.80	14.60	20.30	22.20	1.01	107TA2300
10B1	15.875	9.65	10.16	5.08	13.28	14.60	18.90	22.40	0.90	107TA2301
12B1	19.050	11.68	12.07	5.72	15.62	15.90	22.30	29.00	1.15	107TA2302
ASA60	19.050	12.57	11.91	5.94	17.70	17.70	25.70	31.80	1.48	107TA2303
ANSI65	19.050	12.70	9.00	5.94	17.75	17.70	25.70	31.80	1.20	107TA2304
Works specs.	25.400	12.70	19.05	10.17	25.70	24.00	40.10	120.00	4.40	107TA2305
ASA80	25.400	15.75	15.88	7.92	22.50	23.50	33.00	56.70	2.60	107TA2307
16B1	25.400	17.02	15.88	8.28	25.40	20.50	35.40	60.00	2.60	107TA2308
ASA85	25.400	15.88	11.67	7.92	22.61	23.60	33.00	56.70	2.18	107TA2309
ASA100	31.750	18.90	19.05	9.53	27.40	29.20	39.40	88.50	3.76	107TA2310
ASA105	31.750	19.05	13.84	9.53	27.46	29.20	39.40	88.50	3.18	107TA2311
20B1	31.750	19.56	19.05	10.19	29.00	25.70	40.40	95.00	3.70	107TA2312
ASA120	38.100	25.22	22.23	11.10	35.30	34.40	49.80	127.00	5.50	107TA2313
24B1	38.100	25.40	25.40	14.63	37.90	33.00	53.80	160.00	6.90	107TA2314
ASA140	44.450	25.22	25.40	12.70	37.00	40.80	53.40	172.40	7.20	107TA2315
28B1	44.450	30.99	27.94	15.90	46.50	37.00	63.30	200.00	8.60	107TA2316
32B1	50.800	30.99	29.21	17.81	45.50	41.20	65.10	250.00	9.50	107TA2317
ASA160	50.800	31.55	28.58	14.27	45.00	47.80	63.60	226.80	10.30	107TA2318
ASA180	57.150	35.72	35.72	17.46	50.50	54.00	71.30	282.00	14.00	107TA2319
ASA200	63.500	37.85	39.68	19.84	54.70	60.00	78.00	353.80	16.80	107TA2320
40B1	63.500	38.10	39.37	22.89	55.70	51.50	78.90	355.00	15.10	107TA2321
48B1	76.200	45.72	48.26	29.24	70.50	63.50	98.50	560.00	24.50	107TA2322
ASA240	76.200	47.35	47.63	23.80	67.50	70.00	94.80	510.30	25.00	107TA2323
56B-1	88.900	53.34	53.98	34.32	81.30	77.00	114.70	850.00	36.50	107TA2324
Duplex roller chain										
05B2	8.000	3.00	5.00	2.31	4.77	7.10	14.30	8.00	0.36	107TA2326
ASA35-2	9.525	4.68	5.08	3.58	7.47	8.30	22.10	15.80	0.65	107TA2327
06B2	9.525	5.72	6.35	3.28	8.53	8.30	23.80	16.00	0.78	107TA2328
08B2	12.700	7.75	8.51	4.45	11.30	11.60	30.60	32.00	1.40	107TA2329
ASA40-2	12.700	7.85	7.95	3.96	11.15	11.60	30.70	28.20	1.22	107TA2330
Works specs.	12.700	5.21	8.51	4.45	8.74	11.80	25.40	32.00	1.18	111TA3481
ASA50-2	15.875	9.40	10.16	5.08	13.80	14.60	38.50	44.40	2.00	107TA2331
10B2	15.875	9.65	10.16	5.08	13.28	14.60	35.50	40.00	1.80	107TA2332
12B2	19.050	11.68	12.07	5.72	15.62	15.90	41.70	53.00	2.30	107TA2333
ASA60-2	19.050	12.57	11.91	5.94	17.70	17.70	48.50	63.60	2.95	107TA2334
ASA80	25.400	15.75	15.88	7.92	22.50	23.50	33.00	56.70	2.60	107TA2306
ASA80-2	25.400	15.75	15.88	7.92	22.50	23.50	62.40	113.40	5.20	107TA2335
16B2	25.400	17.02	15.88	8.28	25.40	20.50	67.40	106.00	5.30	107TA2336
ASA100-2	31.750	18.90	19.05	9.53	27.40	29.20	75.30	177.00	7.60	107TA2337
20B2	31.750	19.56	19.05	10.19	29.00	25.70	76.90	170.00	7.25	107TA2338
ASA120-2	38.100	25.22	22.23	11.10	35.30	34.40	95.30	254.00	10.80	107TA2339
24B2	38.100	25.40	25.40	14.63	37.90	33.00	102.20	280.00	13.75	107TA2340
ASA140-2	44.450	25.22	25.40	12.70	37.00	40.80	103.30	344.80	14.20	107TA2341
28B2	44.450	30.99	27.94	15.90	46.50	37.00	122.80	360.00	17.30	107TA2342

ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS

LEAF CHAINS WITHOUT PLASTIC INSERTS

Type	Pitch P	Inner width B3 min	Roller diameter D1 max	Pin diameter D2 max	Inner width B2 max	Plate height H max	Pin length L max	Strength FB	Weight q	REF
	mm	mm	mm	mm	mm	mm	mm	kN	kg/m	
32B2	50.80	30.99	29.21	17.81	46.50	41.20	123.60	450.00	18.80	107TA2343
ASA160-2	50.80	31.55	28.58	14.27	45.00	47.80	122.10	453.60	19.50	107TA2344
ASA180-2	57.15	35.72	35.72	17.46	50.60	54.00	136.70	564.00	27.00	107TA2345
ASA200-2	63.50	37.85	39.68	19.84	54.70	60.00	149.60	707.60	32.70	107TA2346
40B2	63.50	38.10	39.37	22.89	55.70	51.50	151.20	630.00	29.90	107TA2347
48B2	76.20	45.72	48.26	29.24	70.50	63.50	189.70	1000.00	48.60	107TA2348
ASA240-2	76.20	47.35	47.63	23.80	67.50	70.00	182.70	1020.60	49.40	107TA2349
56B-2	88.90	53.34	53.98	34.32	81.30	77.00	221.30	1600.00	72.50	107TA2350
Triplex roller chain										
ASA35-3	9.525	4.68	5.08	3.58	7.47	8.30	32.30	23.70	0.97	107TA2351
06B3	9.525	5.72	6.35	3.28	8.53	8.30	34.00	23.60	1.18	107TA2352
08B3	12.700	7.75	8.51	4.45	11.30	11.60	44.60	47.50	2.10	107TA2353
ASA40-3	12.700	7.85	7.95	3.96	11.15	11.60	45.10	42.30	1.83	107TA2354
ASA50-3	15.875	9.40	10.16	5.08	13.80	14.60	56.70	66.60	2.97	107TA2355
10B3	15.875	9.65	10.16	5.08	13.28	14.60	52.20	60.00	2.60	107TA2356
12B3	19.050	11.68	12.07	5.72	15.62	15.90	61.30	80.00	3.40	107TA2357
ASA60-3	19.050	12.57	11.91	5.94	17.70	17.70	71.40	95.40	4.35	107TA2358
ASA80-3	25.400	15.75	15.88	7.92	22.50	23.50	91.70	170.10	7.90	107TA2359
16B3	25.400	17.02	15.88	8.28	25.40	20.50	99.30	160.00	7.80	107TA2360
ASA100-3	31.750	18.90	19.05	9.53	27.40	29.20	111.10	265.50	11.40	107TA2361
20B3	31.750	19.56	19.05	10.19	29.00	25.70	113.40	250.00	10.85	107TA2362
ASA120-3	38.100	25.22	22.23	11.10	35.30	34.40	140.70	381.00	15.80	107TA2363
24B3	38.100	25.40	25.40	14.63	37.90	33.00	150.50	425.00	20.50	107TA2364
ASA140-3	44.450	25.22	25.40	12.70	37.00	40.80	151.20	517.20	21.50	107TA2365
28B3	44.450	30.99	27.94	15.90	46.50	37.00	182.30	530.00	25.75	107TA2366
32B3	50.800	30.99	29.21	17.81	45.50	41.20	182.20	670.00	27.95	107TA2367
ASA160-3	50.800	31.55	28.58	14.27	45.00	47.80	180.70	680.40	26.30	107TA2368
ASA180-3	57.150	35.72	35.72	17.46	50.60	54.00	202.00	846.00	40.50	107TA2369
ASA200-3	63.500	37.85	39.68	19.84	54.70	60.00	221.10	1061.40	48.80	107TA2370
40B3	63.500	38.10	39.37	22.89	55.70	51.50	223.50	950.00	44.80	107TA2371
48B3	76.200	45.72	48.26	29.24	70.50	63.50	281.00	1500.00	72.50	107TA2372
ASA240-3	76.200	47.35	47.63	23.80	67.50	70.00	270.60	1530.90	74.10	107TA2373
56B-3	88.900	53.34	53.98	34.32	81.30	77.00	328.00	2240.00	109.00	107TA2374

SMALL PITCH PRECISION ROLLER CHAINS - EUROPEAN SERIES



Type	REF 5-metre box	REF connecting link	REF offset link	REF double offset link
Simplex roller chains				
04B1	115TA3584	115TA3594	115TA3604	115TA3614
05B1	115TA3585	115TA3595	115TA3605	115TA3615
06B1	115TA3586	115TA3596	115TA3606	115TA3616
08B1	115TA3587	115TA3597	115TA3607	115TA3617
10B1	115TA3588	115TA3598	115TA3608	115TA3618
12B1	115TA3589	115TA3599	115TA3609	115TA3619
16B1	115TA3590	115TA3600	115TA3610	115TA3620
20B1	115TA3591	115TA3601	115TA3611	115TA3621
24B1	115TA3592	115TA3602	115TA3612	
28B1	115TA3593	115TA3603	115TA3613	
Duplex roller chains				
05B2	115TA3622	115TA3631	115TA3640	115TA3646
06B2	115TA3623	115TA3632	115TA3641	115TA3647
08B2	115TA3624	115TA3633	115TA3642	115TA3648
10B2	115TA3625	115TA3634	115TA3643	115TA3649
12B2	115TA3626	115TA3635	115TA3644	115TA3650
16B2	115TA3627	115TA3636	115TA3645	115TA3651
20B2	115TA3628	115TA3637		
24B2	115TA3629	115TA3638		
28B2	115TA3630	115TA3639		
Triplex roller chains				
06B3	115TA3652	115TA3660	115TA3668	115TA3673
08B3	115TA3653	115TA3661	115TA3669	115TA3674
10B3	115TA3654	115TA3662	115TA3670	115TA3675
12B3	115TA3655	115TA3663	115TA3671	115TA3676
16B3	115TA3656	115TA3664	115TA3672	115TA3677
20B3	115TA3657	115TA3665		
24B3	115TA3658	115TA3666		
28B3	115TA3659	115TA3667		

ROLLER CHAINS AND SPROCKETS

ROLLER CHAINS

SMALL PITCH PRECISION ROLLER CHAINS - AMERICAN STANDARD

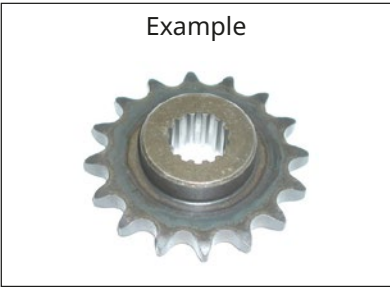


Type	REF 5-metre box	REF connecting link
Simplex roller chains		
ASA 25	115TA3678	115TA3691
ASA 35	115TA3679	115TA3692
ASA 40	115TA3680	115TA3693
ASA 41	115TA3681	115TA3694
ASA 50	115TA3682	115TA3695
ASA 60	115TA3683	115TA3696
ASA 80	115TA3684	115TA3697
ASA 100	115TA3685	115TA3698
ASA 120	115TA3689	115TA3699
ASA 140	115TA3690	115TA3700
ASA 160	115TA3686	115TA3701
ASA 200	115TA3687	115TA3702
ASA 240	115TA3688	115TA3703
Duplex roller chains		
ASA 35-2	115TA3704	115TA3715
ASA 40-2	115TA3705	115TA3716
ASA 50-2	115TA3706	115TA3717
ASA 60-2	115TA3707	115TA3718
ASA 80-2	115TA3708	115TA3719
ASA 100-2	115TA3709	115TA3720
ASA 120-2	115TA3710	115TA3721
ASA 140-2	115TA3711	115TA3722
ASA 160-2	115TA3712	115TA3723
ASA 200-2	115TA3713	115TA3724
ASA 240-2	115TA3714	115TA3725

TECHNICAL SHEETS - ENGLISH

SPROCKET

Group
09-02-06-00



Customer details

Type of machine:

Price inquiry

Serial n° machine:

Order

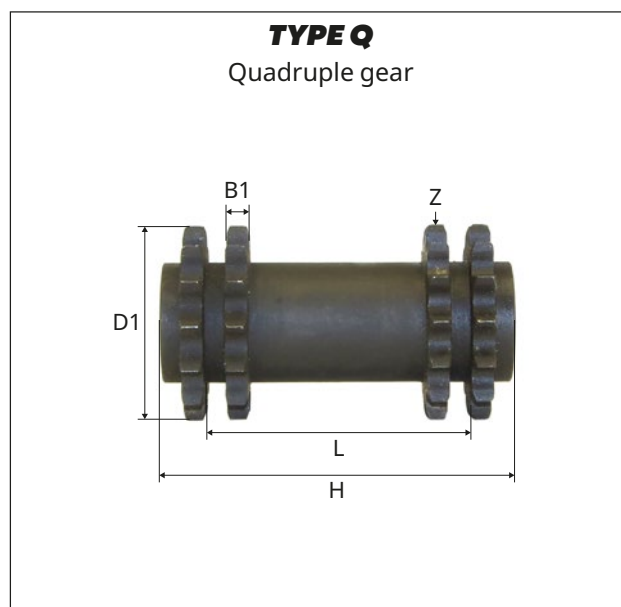
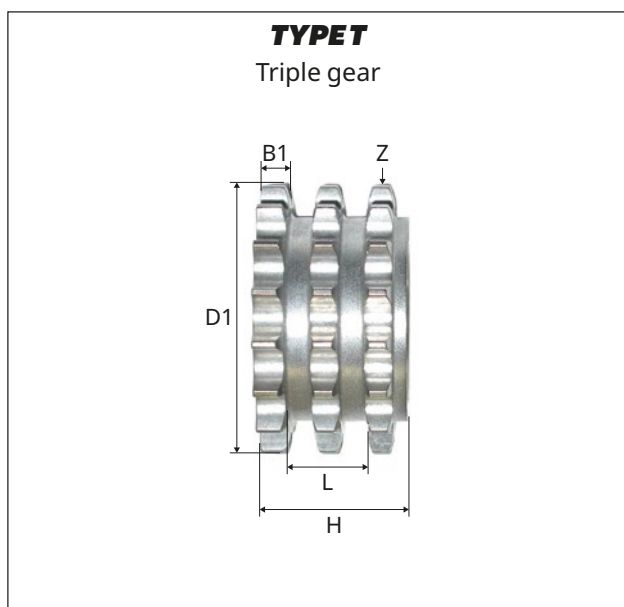
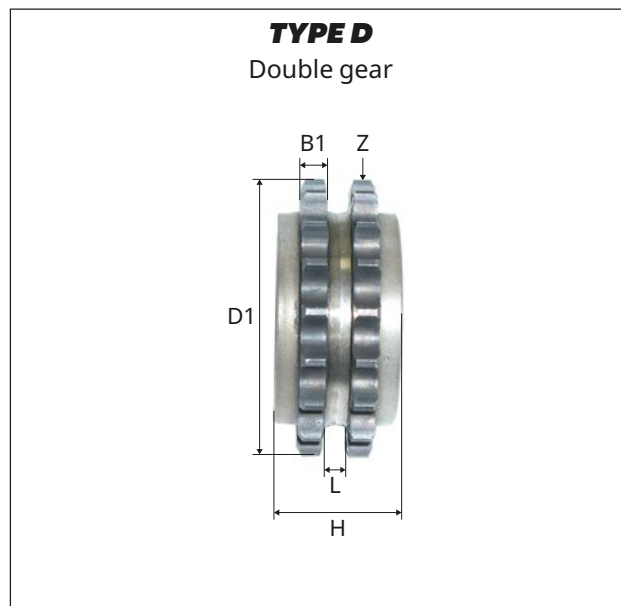
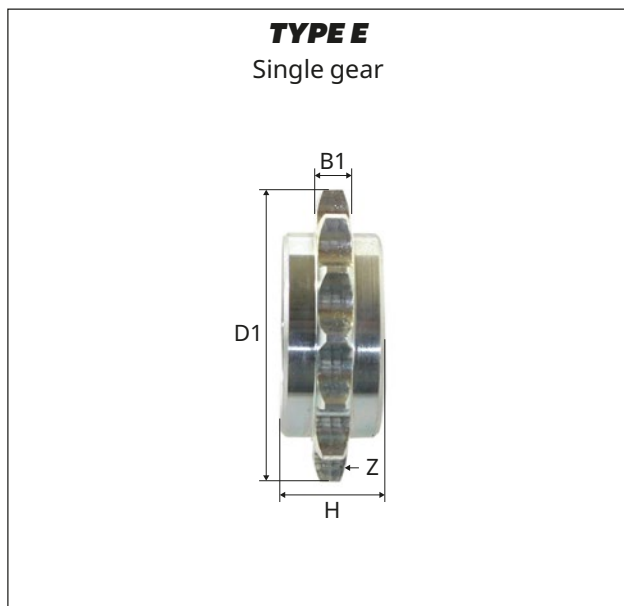
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<input type="checkbox"/>	D1	Diameter gear, as per measurement scheme
<input type="checkbox"/>	B1	Dimension
<input type="checkbox"/>	Z	Number of teeth
<input type="checkbox"/>	H	Total height, see types
<input type="checkbox"/>	L	Dimension between gears, see picture
<input type="checkbox"/>	TY-BV	Type of inner mounting
<input type="checkbox"/>	D2	Dimension, see types inner mounting
<input type="checkbox"/>	D3	Dimension, see types inner mounting
<input type="checkbox"/>	B2	Dimension, see types inner mounting
<input type="checkbox"/>	AC	Number of splines inner mounting
<input type="checkbox"/>	LB	Bearing or bush (yes/no)
		ATTENTION: if bush or bearing, D2: inner diameter of bush or bearing

ROLLER CHAINS AND SPROCKETS

SPROCKETS

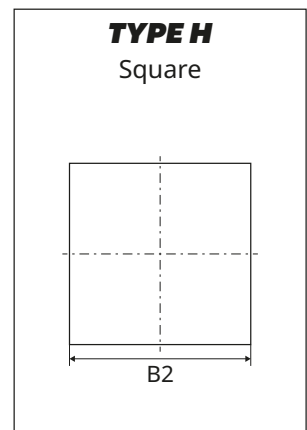
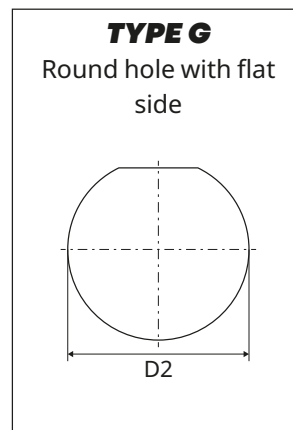
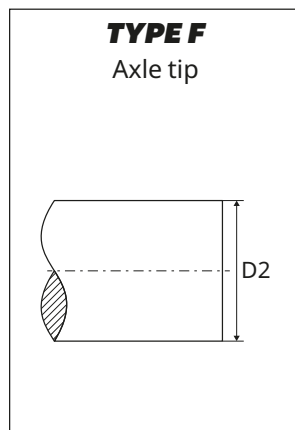
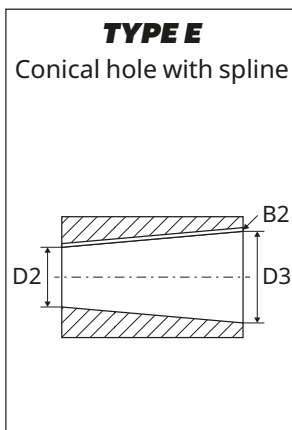
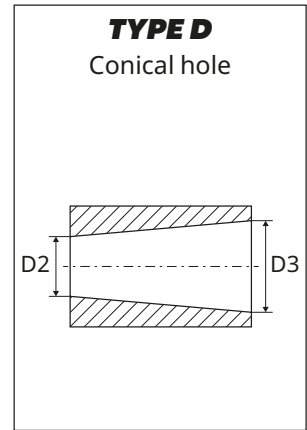
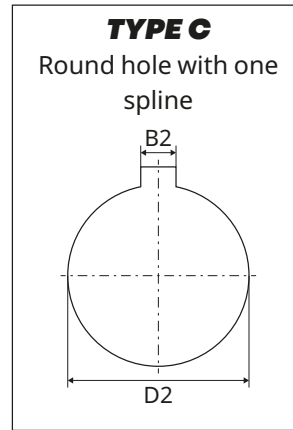
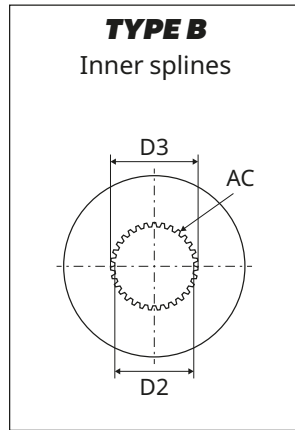
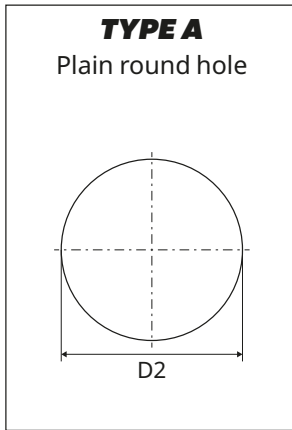
TECHNICAL SHEETS - ENGLISH

DIMENSIONS



NOTE: if 2 different gears, measure the largest.

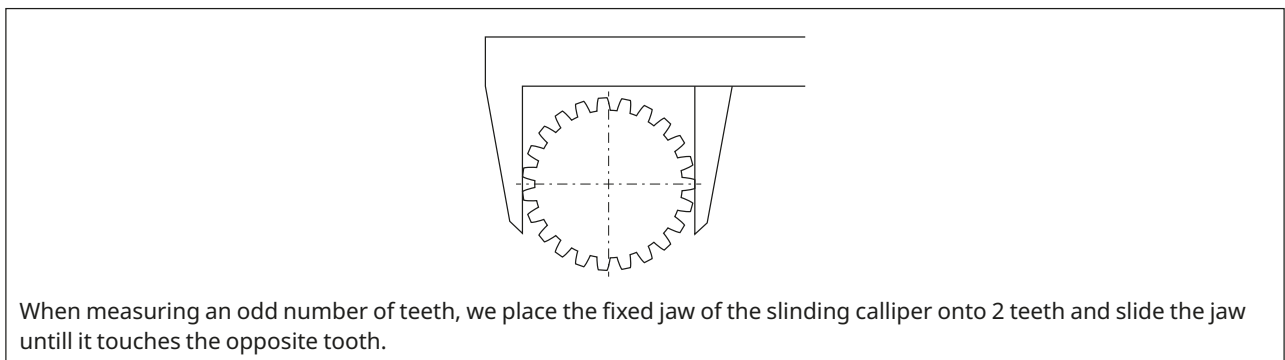
INNERTYPES



TYPE S
Special type

If different inner types we determine the orde as follow: B - D - C - A - E - F - G - H.
E.g.: in case of 2 coexisting types D and A, we fill out D.

DIAGRAM MEASUREMENT



TECHNICAL SHEETS - DUTCH

KETTINGTANDWIELEN

Groep

09-02-06-00

Voorbeeld



Gegevens klant

Type machine:

Prijsaanvraag

Serienr. machine:

Bestelling

- TY-TW Type kettingtandwiel
- D1 Diameter tandwiel, volgens schema opmeting
- B1 Afmeting
- Z Aantal tanden
- H Totale hoogte, zie types
- L Afmeting tussen de tandwielen, zie figuur
- TY-BV Type inwendige bevestiging
- D2 Afmeting, zie types inwendige bevestiging
- D3 Afmeting, zie types inwendige bevestiging
- B2 Afmeting, zie types inwendige bevestiging
- AC Aantal kanaluren inwendige bevestiging
- LB Lager of bus aanwezig (ja/nee)
PAS OP: indien bus of lager aanwezig is, nemen we voor D2 de binnendiameter van de bus of het lager

Zie Engelse technische fiche!

PIGNON DE CHAÎNE

Groupe

09-02-06-00

Exemple



Données client

Type de machine :

Demande de prix

No. de série machine :

Commande

- TY-TW Type de pignon de chaîne
- D1 Diamètre du pignon, selon mesure schéma
- B1 Dimension
- Z Nombre de dents
- H Hauteur totale, voir types
- L Dimensions entre les pignons, voir figure
- TY-BV Type de fixation interne
- D2 Dimension, voir types fixation interne
- D3 Dimension, voir types fixation interne
- B2 Dimension, voir types fixation interne
- AC Nombre de cannelures fixation interne
- LB Palier ou bague (oui/non)

ATTENTION : en cas de présence de palier ou bague, prenez pour D2 le diamètre interne du palier ou bague

TECHNICAL SHEETS - GERMAN

KETTENZAHNRAD

Gruppe

09-02-06-00

Beispiel



Kundendaten

Maschinentyp:

Preis Anfrage

Serien-Nr. Maschine:

Bestellung

- TY-TW Kettenzahnradtyp
 - D1 Durchmesser Zahnrad, (siehe Schema)
 - B1 Maß
 - Z Anzahl Zähne
 - H Gesamthöhe, siehe Typen
 - L Maß zwischen den Zahnradern, siehe Figur
 - TY-BV Innerer Befestigungstyp
 - D2 Maß, siehe innere Befestigungstypen
 - D3 Maß, siehe innere Befestigungstypen
 - B2 Maß, siehe innere Befestigungstypen
 - AC Verzählung innere Befestigung
 - LB Lager oder Buchse vorhanden (ja/nein)
- ACHTUNG:** wenn ein Lager oder eine Buchse vorhanden ist, nehmen Sie für D2 den Innendurchmesser der Buchse oder des Lagers.

Siehe technische Datenblätter auf Englisch.





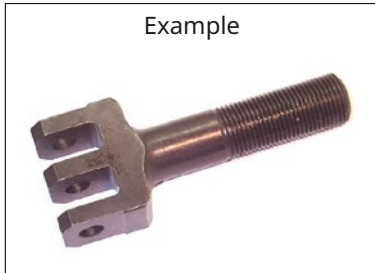
04.

CHAIN ANCHORS

TECHNICAL SHEETS - ENGLISH

CHAIN ANCHOR

Group
10-01-06-00



Customer details

Type of machine:

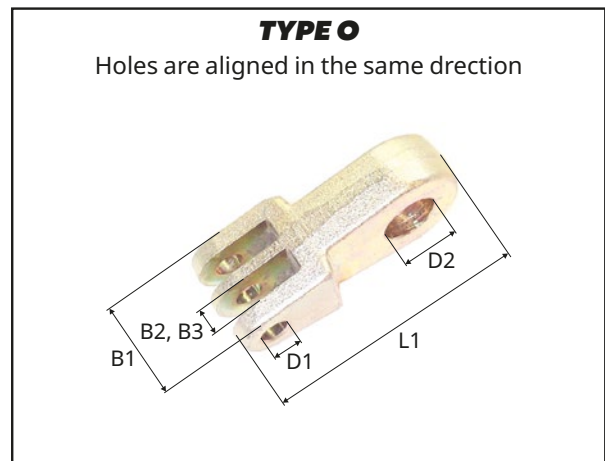
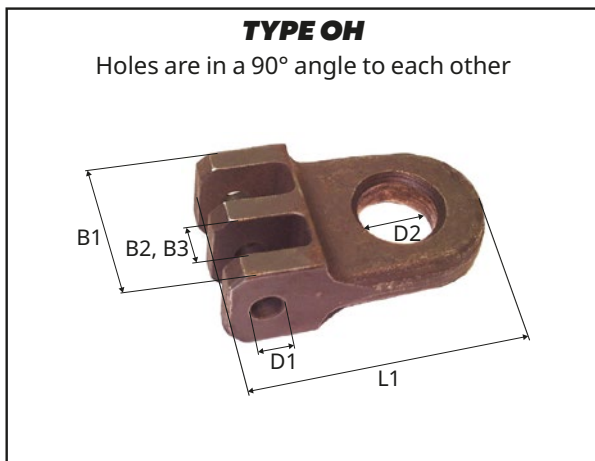
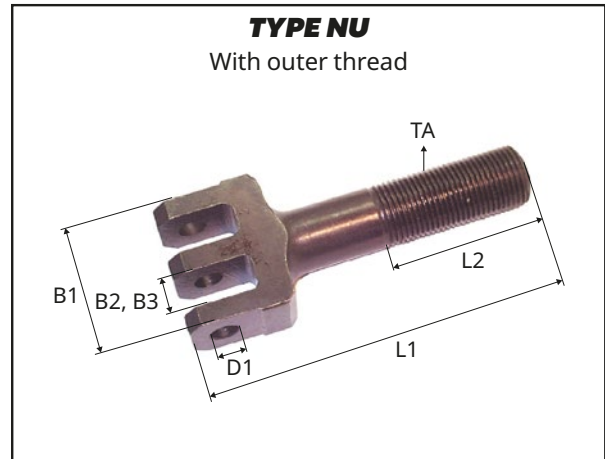
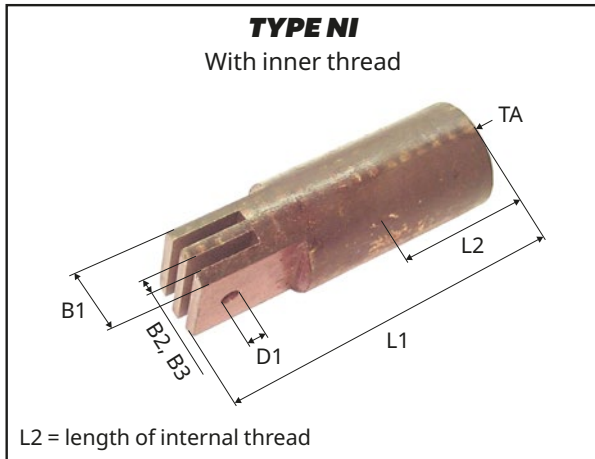
Price inquiry

Serial n° machine:

Order

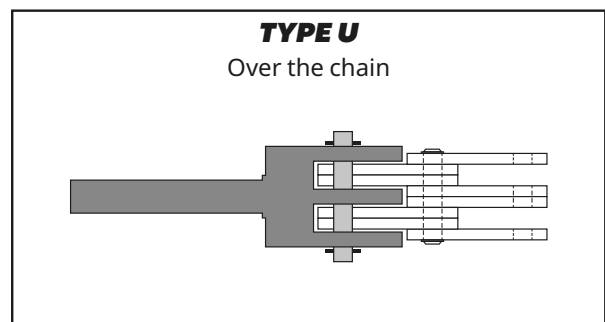
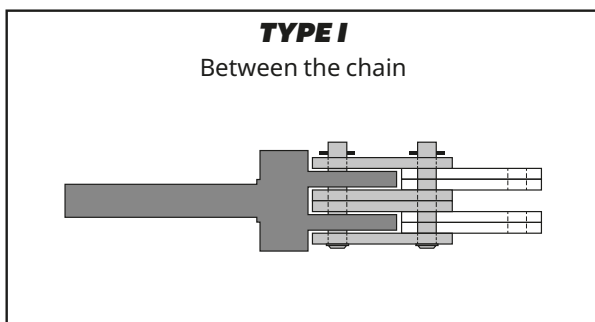
- | | | |
|--------------------------|-------------|--|
| <input type="checkbox"/> | TY-KT | Type of chain anchor. |
| <input type="checkbox"/> | L1 | Total length |
| <input type="checkbox"/> | TA | Thread type (if any) |
| <input type="checkbox"/> | Pm | Step (metric) |
| <input type="checkbox"/> | Pi | Step (inch) |
| <input type="checkbox"/> | RH/LH | RH-thread or LH-thread |
| <input type="checkbox"/> | L2 | Thread length
If no thread, then L2 is measured in a 90 degree angle to L1 and D1 |
| <input type="checkbox"/> | D1 | Diameter of hole for the chain pin |
| <input type="checkbox"/> | D2 | Diameter of the anchor pin hole |
| <input type="checkbox"/> | AT-GL | Number of slots |
| <input type="checkbox"/> | LG-GL | Position of slots, see pictures |
| <input type="checkbox"/> | B1 | Dimensions as per pictures |
| <input type="checkbox"/> | B2 | Smallest distance between the slots |
| <input type="checkbox"/> | B3 | Largest distance between the slots |
| <input type="checkbox"/> | TY-K1 | Type of chain |
| <input type="checkbox"/> | TY-K2 | Type of chain |
| <input type="checkbox"/> | SL | Is there a chain lock? (yes/no) |

TYPES



TYPE S
Very special, none of the above types.
Please fill out as many of the dimensions, and add a drawing of the chain anchor + its dimensions

POSITION OF THE CHAIN ANCHOR



TECHNICAL SHEETS - DUTCH

KETTINGTREKKER

Groep

10-01-06-00

Voorbeeld



Gegevens klant

Type machine:

Prijsaanvraag

Serienr. machine:

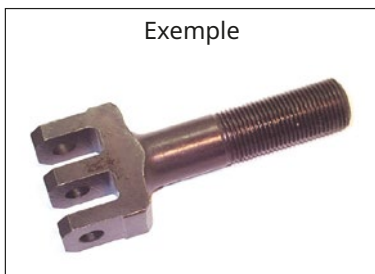
Bestelling

<input type="checkbox"/>	TY-KT	Type kettingtrekker, zie figuren
<input type="checkbox"/>	L1	Totale lengte, gemeten in de richting van de ketting
<input type="checkbox"/>	TA	Draadsoort, indien aanwezig
<input type="checkbox"/>	Pm	Pas metrisch
<input type="checkbox"/>	Pi	Pas per duim
<input type="checkbox"/>	RH/LH	Rechtse of linkse draad
<input type="checkbox"/>	L2	Draadlengte Indien geen draad, dan wordt L2 gemeten haaks op L1 en D1
<input type="checkbox"/>	D1	Diameter voorzien voor de kettingpin
<input type="checkbox"/>	D2	Zie figuren
<input type="checkbox"/>	AT-GL	Aantal gleuven
<input type="checkbox"/>	LG-GL	Ligging gleuven, zie voorstelling
<input type="checkbox"/>	B1	Afmeting zie figuren
<input type="checkbox"/>	B2	Kleinste tussenafstand van de gleuven
<input type="checkbox"/>	B3	Grootste tussenafstand van de gleuven
<input type="checkbox"/>	TY-K1	Type ketting
<input type="checkbox"/>	TY-K2	Type ketting
<input type="checkbox"/>	SL	Is er een slot bij? (ja/nee)

Zie Engelse technische fiche!

TIRANT DE CHAÎNE

Groupe
10-01-06-00



Données client

Type de machine :

Demande de prix

No. de série machine :

Commande

<input type="checkbox"/>	TY-KT	Type de tirant de chaîne, voir schéma
<input type="checkbox"/>	L1	Longueur totale, mesurée dans la direction de la chaîne
<input type="checkbox"/>	TA	Sorte de filetage, si présent
<input type="checkbox"/>	Pm	Pas métrique
<input type="checkbox"/>	Pi	Pas par pouce
<input type="checkbox"/>	RH/LH	Fil droit ou gauche
<input type="checkbox"/>	L2	Longueur filetage Si pas de filetage, on mesure L2 perpendiculairement sur L1 et D1
<input type="checkbox"/>	D1	Diamètre prévu de l'axe du chaîne
<input type="checkbox"/>	D2	Voir schéma
<input type="checkbox"/>	AT-GL	Nombre de cannelures
<input type="checkbox"/>	LG-GL	Position des cannelures, voir présentation
<input type="checkbox"/>	B1	Dimension, voir schéma
<input type="checkbox"/>	B2	L'entraxe le plus petit des cannelures
<input type="checkbox"/>	B3	L'entraxe le plus grand des cannelures
<input type="checkbox"/>	TY-K1	Type de chaîne
<input type="checkbox"/>	TY-K2	Type de chaîne
<input type="checkbox"/>	SL	Y a-t-il un verrou ? (oui/non)

Voir la fiche technique en Anglais.

TECHNICAL SHEETS - GERMAN

KETTENANKER

Gruppe
10-01-06-00

Beispiel



Kundendaten

Maschinentyp:

Preis Anfrage

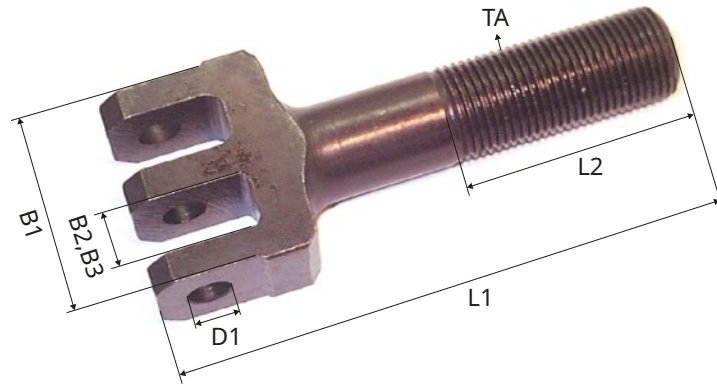
Serien-Nr. Maschine:

Bestellung

<input type="checkbox"/>	TY-KT	Kettenankertyp, siehe Abbildungen
<input type="checkbox"/>	L1	Gesamtlänge, in Kettenrichtung gemessen
<input type="checkbox"/>	TA	Gewindetyp, wenn vorhanden
<input type="checkbox"/>	Pm	Gewinde (metrisch)
<input type="checkbox"/>	Pi	Gewinde (Zoll)
<input type="checkbox"/>	RH/LH	Rechtes oder linkes Gewinde
<input type="checkbox"/>	L2	Gewindelänge
<input type="checkbox"/>		Wenn kein Gewinde, dann wird L2 quer zu L1 und D1 gemessen
<input type="checkbox"/>	D1	Durchmesser für den Kettenbolzen
<input type="checkbox"/>	D2	Siehe Abbildungen
<input type="checkbox"/>	AT-GL	Spaltenanzahl
<input type="checkbox"/>	LG-GL	Spaltenlage – siehe Darstellung
<input type="checkbox"/>	B1	Maß, siehe Abbildungen
<input type="checkbox"/>	B2	Kleinster Spaltenabstand
<input type="checkbox"/>	B3	Größter Spaltenabstand
<input type="checkbox"/>	TY-K1	Kettentyp
<input type="checkbox"/>	TY-K2	Kettentyp
<input type="checkbox"/>	SL	Gibt es ein Schloß? (ja/nein)

Siehe technische Datenblätter auf Englisch.

TYPE NU



L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
108.00	5/8 UNF		80.00	5.50	4	U	26.00	2.00	AL466		139TA5432
121.00	5/8 UNF		89.00	5.00	2	U	31.75	6.90	AL544		139TA5433
130.00	M18	2.50	85.00	5.00	3	U	30.00	4.50	AL566		113TA1787
155.00	M16	2.00	68.00	5.00	3	U	28.50	4.50	AL566		139TA5434
160.50	M20	1.50	117.00	10.00	2	I	23.50	5.00	AL644	Oval plates	139TA5435
180.00	M12	1.75	100.00	6.00	3	U	27.00	3.20	AL644		106TA7842
236.00	M16	2.00	150.00	8.00	1	U	17.50	6.50	AL822		139TA5436
220.00	M16	2.00	175.00	8.00	1	I	18.50	7.00	AL844		106TA7834
199.00	1 UNF		113.00	8.00	3	U	50.70	7.20	AL866		139TA5437
310.00	M20	1.50	255.00	9.50	2	U	39.40	8.30	AL1044		139TA5438
213.00	M24	1.50	135.00	14.25	2	I	39.50	8.50	AL1066		139TA5439
250.00	M20	1.50	160.00	9.80	3	U	46.50	7.50	AL1066	BL866	139TA5440
204.00	1 1/2 UNF		135.00	11.40	3	U	82.80	10.20	AL1288		139TA5441
166.00	7/8 UNF		116.00	11.00	1	I	16.60	3.60	AN834		113TA1845
153.00	1 1/4 UNF		90.00	11.00	3	U	50.70	6.90	AN866		139TA5442
171.00	M12	1.50	117.50	5.00	2	U	20.00	4.50	BL434		113TA1732
68.00	M12	1.50	24.50	5.00	2	U	20.00	4.50	BL434		113TA1734
132.20	M12	1.50	92.00	5.00	2	U	18.80	4.20	BL444		139TA5443
140.50	M16	2.00	94.50	5.75	2	I	24.80	4.00	BL466	AL566	139TA5444
85.70	M10	1.50	19.00	6.00	1	U	14.00	5.40	BL522		139TA5445
70.20	M16	1.50	36.50	6.00	1	I	12.00	2.65	BL534		139TA5446
90.60	M18	1.50	61.50	6.00	1	I	12.00	2.80	BL534		139TA5447
93.50	M14	1.50	46.00	6.00	1	I	12.00	2.70	BL534		139TA5448
103.00	M14	1.50	72.00	6.00	1	I	12.20	2.60	BL534		139TA5449
122.70	M16	1.50	98.50	6.00	1	I	12.00	2.70	BL534		139TA5450
145.10	M14	1.50	115.85	6.00	1	I	12.20	2.80	BL534		139TA5451
187.60	M16	1.50	154.00	6.00	1	I	12.20	2.70	BL534		139TA5452
203.00	M14	1.50	170.00	6.00	1	I	12.00	3.00	BL534		139TA5453
210.00	M16	1.50	178.00	6.00	1	I	12.00	2.70	BL534		139TA5454
218.00	M14	1.50	170.00	6.00	1	I	12.20	2.80	BL534		139TA5455
250.00	M16	1.50	0.00	6.00	1	I	12.00	2.75	BL534		139TA5456
80.15	M14	1.50	25.00	6.00	2	U	23.60	5.00	BL534		139TA5457
110.50	M14	2.00	74.00	6.00	2	U	20.00	5.00	BL534		139TA5458
115.00	M16	2.00	79.00	6.00	2	U	23.00	5.40	BL534		139TA5459
121.00	M12	1.75	79.00	6.00	2	U	20.30	5.00	BL534		139TA5460
153.00	5/8 UNF		97.00	6.00	2	U	12.70	5.20	BL534		139TA5461
155.00	M14	1.50	100.00	6.00	2	U	23.60	5.20	BL534		139TA5462
175.00	M14	1.50	90.00	6.00	2	U	25.00	5.00	BL534		139TA5463
212.00	M14	1.50	140.00	6.00	2	U	23.80	5.00	BL534		139TA5464

CHAIN ANCHORS

TYPE NU

L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
85.00	M14	1.50	21.00	6.00	2	U	23.60	5.00	BL544	AL644	139TA5465
90.00	M16	2.00	50.00	6.00	2	U	23.00	5.00	BL544		139TA5466
110.00	M14	2.00	74.00	6.00	2	U	25.00	5.00	BL544		129TA8623
122.50	M14	1.50	75.00	6.00	2	U	22.30	5.30	BL544		139TA5467
125.00	M12	1.25	101.50	6.00	2	U	24.00	5.30	BL544		139TA5468
125.00	M16	2.00	62.00	6.00	2	U	22.50	5.40	BL544		139TA5469
129.00	M16	1.50	72.00	6.00	2	U	22.40	5.20	BL544		139TA5470
150.00	M16	2.00	69.00	6.00	2	U	23.60	5.00	BL544		139TA5471
150.40	M12	1.75	100.00	6.00	2	U	22.90	5.20	BL544		139TA5472
160.00	M14	1.50	115.00	6.00	2	U	22.30	5.00	BL544		139TA5473
177.00	M12	1.75	100.00	6.00	2	U	22.20	5.30	BL544		139TA5474
178.30	M12	1.75	99.00	6.00	2	U	22.20	5.30	BL544		139TA5475
181.50	M14	1.50	135.00	6.00	2	U	22.40	5.20	BL544		139TA5476
202.00	M12	1.75	160.00	6.00	2	U	24.00	5.25	BL544	BL566	139TA5477
80.00	1/2 UNF		39.00	6.00	2	U	31.75	7.75	BL546		139TA5478
83.00	M16	1.50	29.00	6.00	2	U	29.00	7.90	BL546		139TA5479
101.60	5/8 UNF		55.00	6.00	2	U	0.00	8.00	BL546		139TA5480
105.00	5/8 UNF		51.00	6.00	2	U	20.00	8.00	BL546		139TA5481
135.00	5/8 UNF		83.00	6.00	2	U	31.60	8.00	BL546		139TA5482
139.50	M16	1.50	89.50	6.00	2	U	29.00	8.00	BL546		139TA5483
140.00	1/2 UNF		96.00	6.00	2	U	20.50	7.60	BL546		139TA5484
151.00	5/8 UNF		95.00	6.00	2	U	31.70	8.00	BL546		139TA5485
152.00	5/8 UNF		109.00	6.00	2	U	32.00	8.00	BL546		139TA5486
152.40	3/4 UNF		104.70	6.00	2	U	20.50	7.75	BL546		139TA5487
170.00	M16	1.50	110.00	6.00	2	U	20.00	7.70	BL546		139TA5488
170.00	5/8 UNF		114.00	6.00	2	U	31.80	7.90	BL546		139TA5489
171.70	M16	1.50	122.00	6.00	2	U	29.20	7.70	BL546		139TA5490
185.30	5/8 UNC		133.80	6.00	2	U	32.00	7.80	BL546		139TA5491
221.00	M16	1.50	124.00	6.00	2	U	29.00	8.00	BL546		139TA5492
195.00	M12	1.50	155.00	6.00	2	I	24.20	5.20	BL566		106TA7844
56.50	M16	2.00	27.00	6.00	3	U	31.60	5.30	BL566		139TA5493
76.00	M14	1.50	44.00	6.00	3	U	36.30	5.20	BL566		113TA1832
105.00	5/8 UNF		52.00	6.00	3	U	32.20	5.00	BL566		139TA5494
130.00	5/8 UNF		90.00	6.00	3	U	40.00	5.30	BL566		139TA5495
170.00	5/8 UNF		112.00	6.00	3	U	32.50	5.00	BL566		139TA5496
179.00	M14	2.00	122.00	6.00	3	U	31.90	5.30	BL566		139TA5497
190.00	M16	1.50	147.00	6.00	4	U	43.95	5.30	BL588	AL688	139TA5498
167.00	M14	1.50	120.00	8.00	0	I	9.80	0.00	BL623		139TA5499
220.00	M14	1.50	175.00	8.00	0	I	9.75	0.00	BL623		139TA5500
97.00	M14	1.50	50.00	8.00	0	I	9.80	0.00	BL623		139TA5501
190.00	M16	1.50	156.00	8.00	0	I	9.50	0.00	BL623		139TA5502
91.50	M16	1.50	57.00	8.00	0	I	9.60	0.00	BL623		139TA5503
140.00	1/2 UNF		91.50	8.00	1	I	25.40	10.00	BL623		139TA5504
150.00	M16	2.00	78.00	8.00	1	U	27.00	11.50	BL623		139TA5505
165.50	M16	1.50	113.50	8.00	1	U	24.00	10.00	BL623		139TA5506
170.00	M12	1.75	129.00	8.00	1	U	20.00	10.60	BL623		139TA5507
170.50	M12	1.75	128.50	8.00	1	U	20.00	10.50	BL623		139TA5508
174.50	M16	2.00	135.60	8.00	1	U	23.00	10.00	BL623		139TA5509
210.00	M12	1.50	80.00	8.00	1	U	29.50	10.60	BL623		139TA5510
75.00	M16	1.50	37.00	8.00	1	I	16.00	4.00	BL634		139TA5511
82.50	M16	1.50	49.45	8.00	1	I	16.30	4.00	BL634		139TA5512
85.00	M18	1.50	49.99	8.00	1	I	16.00	4.00	BL634		139TA5513
95.00	M18	1.50	56.00	8.00	1	I	16.00	4.00	BL634		139TA5514
104.70	M18	1.50	71.00	8.00	1	I	16.40	3.80	BL634		139TA5515
110.00	M16	1.50	76.00	8.00	1	I	16.00	3.50	BL634		139TA5516
110.00	M18	1.50	65.00	8.00	1	I	16.10	3.80	BL634		139TA5517
120.50	M18	1.50	71.60	8.00	1	I	16.30	3.65	BL634		139TA5518
126.30	M16	1.50	91.40	8.00	1	I	16.00	3.90	BL634		139TA5519

TYPE NU

L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
150.00	M16	1.50	116.50	8.00	1	I	16.10	3.50	BL634		139TA5520
159.80	M16	1.50	111.50	8.00	1	I	16.00	4.00	BL634		139TA5521
161.00	M18	1.50	122.00	8.00	1	I	16.00	4.00	BL634		139TA5522
162.00	5/8 UNF		88.00	8.00	1	I	16.00	3.80	BL634		139TA5523
174.50	M18	1.50	142.00	8.00	1	I	16.20	4.00	BL634		139TA5524
190.00	M16	1.50	155.00	8.00	1	I	16.00	4.00	BL634		139TA5525
200.00	M18	1.50	167.00	8.00	1	I	16.30	4.00	BL634		139TA5526
205.00	3/4 UNF		155.00	8.00	1	I	16.00	3.50	BL634		139TA5527
210.00	M16	1.50	178.00	8.00	1	I	16.00	4.00	BL634		139TA5528
212.00	M18	1.50	162.00	8.00	1	I	16.30	4.00	BL634		139TA5529
239.50	5/8 UNC		190.00	8.00	1	I	16.70	3.70	BL634		139TA5530
250.00	M16	1.50	201.00	8.00	1	I	16.30	3.80	BL634		139TA5531
108.00	5/8 UNF		60.00	8.00	2	U	26.25	6.93	BL634		139TA5532
125.00	5/8 UNF	0.00	63.00	8.00	2	U	24.70	7.00	BL634		139TA5533
150.00	M16	2.00	82.00	8.00	2	U	30.00	7.00	BL634		139TA5534
170.00	M20	2.50	115.00	8.00	2	U	30.30	6.93	BL634		139TA5535
175.00	M16	2.00	130.00	8.00	2	U	30.00	7.00	BL634		139TA5536
190.00	5/8 UNF		132.50	8.00	2	U	25.00	7.00	BL634		139TA5547
205.50	M16	2.00	141.20	8.00	2	U	25.84	6.80	BL634		139TA5537
228.00	5/8 UNF		165.00	8.00	2	U	26.00	7.00	BL634		139TA5538
154.00	M16	2.00	118.00	8.00	1	I	17.50	6.50	BL644		139TA5539
240.50	5/8 UNC		185.30	8.00	1	I	20.30	7.00	BL644		139TA5540
91.00	M16	2.00	53.00	8.00	2	U	29.00	6.90	BL644		139TA5541
92.20	M18	1.50	28.10	8.00	2	U	28.30	6.70	BL644		139TA5542
130.50	M16	1.50	79.00	8.00	2	U	29.00	7.00	BL644		139TA5543
159.00	M16	2.00	112.00	8.00	2	U	34.00	7.50	BL644		139TA5544
163.00	M16	2.00	95.00	8.00	2	U	29.80	6.80	BL644		139TA5545
185.00	M20	2.50	130.00	8.00	2	U	30.00	7.00	BL644		139TA5546
223.50	M16	1.50	138.00	8.00	2	U	23.00	7.00	BL644	AL844	139TA5548
251.00	M16	1.50	165.00	8.00	2	U	31.60	7.00	BL644		139TA5549
106.00	5/8 UNF		50.00	8.00	2	U	38.40	10.10	BL646		139TA5550
150.00	5/8 UNF		95.00	8.00	2	U	38.00	10.00	BL646		139TA5551
152.00	5/8 UNF		111.00	8.00	2	U	26.50	6.50	BL646		139TA5553
155.00	M20	2.50	116.00	8.00	2	U	37.00	10.50	BL646		139TA5554
162.00	M20	2.50	98.00	8.00	2	U	33.90	10.50	BL646		139TA5555
192.00	M18	1.50	110.00	8.00	2	U	31.70	10.30	BL646		139TA5556
180.00	M16	2.00	130.00	8.00	2	I	32.00	6.60	BL666		139TA5557
150.00	M20	2.50	108.00	8.00	3	U	45.30	7.00	BL666		139TA5558
155.00	M14	2.00	82.00	9.60	1	U	21.00	9.00	BL822		139TA5559
108.00	5/8 UNF		54.00	9.60	0	I	32.00	0.00	BL823		139TA5560
114.90	M18	1.50	56.50	9.60	0	I	12.20	0.00	BL823		139TA5561
160.00	M18	1.50	112.00	9.60	0	I	12.00	0.00	BL823		139TA5562
168.00	M16	1.50	129.00	9.60	0	I	11.80	0.00	BL823		139TA5563
176.50	M16	1.50	130.00	9.60	0	I	11.90	0.00	BL823		139TA5564
185.00	M16	1.50	120.00	9.60	0	I	12.50	0.00	BL823		139TA5565
192.00	M16	1.50	155.00	9.60	0	I	12.10	0.00	BL823		139TA5566
230.00	M18	1.50	180.00	9.60	0	I	12.00	0.00	BL823		139TA5567
151.50	M16	1.50	81.00	9.60	1	U	25.40	12.70	BL823		139TA5568
195.00	M16	1.50	146.00	9.60	1	U	24.60	13.20	BL823		139TA5569
239.50	M16	1.50	195.00	9.60	1	U	26.40	13.00	BL823		139TA5570
188.00	M18	1.50	140.00	9.60	1	I	20.00	4.40	BL834		139TA5571
212.00	M20	1.50	152.50	9.60	1	I	20.20	4.25	BL834		139TA5572
215.00	M18	1.50	177.00	9.60	1	I	20.35	4.65	BL834		139TA5573
247.00	M18	1.50	200.00	9.60	1	I	20.50	4.00	BL834		139TA5574
95.15	M18	1.50	52.00	9.60	1	I	20.45	4.85	BL834		139TA5575
102.00	M22	1.50	66.00	9.60	1	I	20.00	4.50	BL834		139TA5576
103.00	M20	1.50	42.00	9.60	1	I	20.40	4.30	BL834		139TA5577
106.00	M18	1.50	65.55	9.60	0	I	19.00	4.30	BL834		139TA5578

CHAIN ANCHORS

TYPE NU

L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
115.00	M20	1.50	63.50	9.60	1	I	20.30	4.60	BL834		139TA5579
125.50	M22	1.50	90.55	9.60	1	I	20.50	4.60	BL834		139TA5580
126.50	M16	1.50	90.00	9.60	1	I	20.50	4.30	BL834		139TA5581
127.50	M18	1.50	83.30	9.60	1	I	20.20	5.10	BL834		113TA1847
138.00	M18	1.50	90.50	9.60	1	I	20.10	4.40	BL834		139TA5582
139.50	M18	1.50	95.00	9.60	1	I	20.00	5.00	BL834		139TA5583
141.80	M22	1.50	107.00	9.60	1	I	20.00	4.60	BL834		139TA5584
185.80	M18	1.50	143.50	9.60	1	I	20.00	4.80	BL834		139TA5585
187.00	M22	1.50	155.00	9.60	1	I	20.00	5.00	BL834		139TA5586
188.70	M18	1.50	145.00	9.60	1	I	20.00	4.70	BL834		139TA5587
192.00	M16	1.50	158.00	9.60	1	I	20.50	4.20	BL834		139TA5588
197.00	3/4 UNF		132.85	9.60	1	I	20.00	4.20	BL834		139TA5589
245.00	M18	1.50	205.00	9.60	1	I	20.35	4.50	BL834		139TA5590
254.60	M22	1.50	198.40	9.60	1	I	20.20	4.50	BL834		139TA5591
260.00	M20	1.50	180.00	9.60	2	U	31.30	8.30	BL834		139TA5592
81.00	M20	2.50	34.00	9.60	2	U	32.00	8.50	BL834		139TA5593
104.50	3/4 UNF		49.00	9.60	2	U	34.00	8.50	BL834		139TA5594
126.00	M20	2.50	54.00	9.60	2	U	31.50	8.50	BL834		139TA5595
148.50	3/4 UNF		43.50	9.60	2	U	29.40	8.70	BL834		139TA5596
155.00	M16	2.00	110.00	9.60	2	U	37.00	8.50	BL834		139TA5597
180.00	M20	2.50	130.00	9.60	2	U	32.00	8.50	BL834		139TA5598
184.80	M20	2.50	118.50	9.60	2	U	32.40	8.70	BL834		139TA5599
205.00	M20	2.50	140.00	9.60	2	U	30.50	8.50	BL834		139TA5600
215.00	M20	2.50	141.00	9.60	2	U	32.90	8.50	BL834		139TA5601
217.00	3/4 UNF		150.00	9.60	2	U	31.20	8.50	BL834		139TA5602
220.00	3/4 UNF		155.00	9.60	2	U	33.00	8.40	BL834		139TA5603
220.00	M24	2.00	130.00	9.60	2	U	38.00	8.50	BL834		139TA5604
220.00	M24	2.00	132.00	9.60	2	U	42.20	8.50	BL834	BL844	139TA5605
232.00	3/4 UNF		151.50	9.60	2	U	30.80	8.50	BL834		139TA5606
263.50	M20	2.50	185.00	9.60	2	U	36.50	8.50	BL834		139TA5607
280.00	M18	2.50	140.00	9.60	2	U	40.00	8.50	BL834+PL		139TA5608
205.00	M14	2.00	130.00	9.60	1	I	21.00	9.00	BL844		106TA7833
260.00	M14	2.00	185.00	9.60	1	I	21.00	9.00	BL844		139TA5609
211.40	M16	2.00	166.00	9.60	2	U	43.00	8.50	BL844+PL		139TA5610
336.00	M24	3.00	180.50	9.60	2	U	44.00	8.70	BL844+PL		113TA1852
218.00	M20	1.50	150.00	9.60	1	I	32.50	8.20	BL846		139TA5611
150.50	3/4 UNF		58.00	9.60	2	U	45.80	12.90	BL846		139TA5612
180.00	M20	2.50	130.00	9.60	2	U	45.00	12.80	BL846		139TA5613
203.00	3/4 UNF		115.00	9.60	2	U	46.00	13.00	BL846		106TA7843
230.00	3/4 UNF		145.00	9.60	2	U	46.00	13.00	BL846		139TA5614
241.50	3/4 UNF		152.00	9.60	2	U	45.60	12.80	BL846		139TA5615
273.00	M24	3.00	190.00	9.60	2	U	50.00	13.00	BL846		139TA5616
283.00	M20	2.50	200.00	9.60	2	U	41.85	12.80	BL846		139TA5617
170.00	M20	1.50	120.00	9.60	2	I	39.50	8.50	BL866		139TA5618
250.00	M20	1.50	181.00	9.60	2	I	39.60	8.70	BL866	LINDE102	139TA5619
200.00	1		115.00	9.60	3	U	50.00	8.60	BL866		139TA5620
216.60	1 UNS/NS	0.00	132.00	9.60	3	U	50.00	8.70	BL866		139TA5621
222.00	M24	2.00	150.00	9.60	3	U	58.00	8.50	BL866		139TA5622
225.00	M24	3.00	145.00	9.60	3	U	25.00	8.60	BL866		106TA7838
145.50	M22	1.50	93.50	11.20	0	I	14.50	0.00	BL1023		139TA5623
155.00	M22	1.50	106.00	11.20	0	I	14.50	0.00	BL1023		139TA5624
215.50	M22	1.50	163.00	11.20	0	I	14.00	0.00	BL1023		139TA5625
146.00	M22	1.50	101.50	11.20	1	I	24.50	5.40	BL1034		139TA5626
165.50	M22	1.50	119.00	11.20	1	I	24.00	6.00	BL1034		139TA5627
200.00	M24	1.50	119.00	11.20	1	I	24.30	5.30	BL1034		139TA5628
246.80	M22	1.50	195.80	11.20	1	I	24.60	5.90	BL1034		113TA1862
260.00	1 1/16		183.00	11.20	1	I	24.50	5.20	BL1034		139TA5629
266.00	M22	1.50	215.00	11.20	1	I	23.80	5.80	BL1034		139TA5630

TYPE NU

L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
286.00	M22	1.50	238.00	11.20	1	I	23.80	5.50	BL1034		139TA5630
120.00	M22	2.50	49.00	11.20	2	U	43.00	10.00	BL1034		139TA5631
143.50	3/4 UNF		53.50	11.20	2	U	38.20	10.30	BL1034		139TA5632
179.00	3/4 UNF		104.00	11.20	2	U	38.20	10.50	BL1034		139TA5633
216.00	1 1/4 UNF		145.00	11.20	2	U	38.00	10.00	BL1034		139TA5634
226.00	3/4 UNF		152.00	11.20	2	U	38.00	10.30	BL1034		139TA5635
212.00	M20	1.50	163.00	11.20	2	U	38.30	10.20	BL1044		139TA5636
220.00	M24	3.00	145.00	11.20	2	U	50.00	15.20	BL1046		139TA5637
216.00	1 1/4 UNF		140.00	11.20	2	U	0.00	15.00	BL1046		139TA5638
229.50	1 1/2 UNF		170.00	11.20	3	U	70.10	10.30	BL1066		139TA5639
299.00	1 1/4 UNF		160.00	11.20	3	U	64.50	10.30	BL1066		139TA5640
160.00	M24	1.50	68.00	12.80	1	I	28.60	6.40	BL1234		139TA5641
171.00	M20	1.50	115.00	12.80	1	I	17.70	6.60	BL1234		139TA5642
188.00	M16	2.00	118.00	12.80	1	I	18.00	6.00	BL1234		139TA5643
194.00	M24	1.50	125.50	12.80	1	I	28.00	6.30	BL1234		139TA5644
225.00	M24	1.50	132.00	12.80	1	I	29.00	6.50	BL1234		139TA5645
280.00	M27	2.00	200.00	12.80	1	I	28.80	6.50	BL1234		139TA5646
301.00	M24	1.50	208.00	12.80	1	I	28.50	6.50	BL1234		139TA5647
370.00	M24	1.50	313.00	12.80	1	I	28.60	6.40	BL1234		139TA5648
242.00	1 1/4 UNF		150.00	12.80	1	I	47.00	11.00	BL1246		139TA5649
270.00	M39	3.00	165.00	12.80	3	U	78.00	12.00	BL1266		139TA5650
147.00	M33	1.50	77.00	14.30	1	I	31.75	7.00	BL1434		139TA5651
182.00	M33	2.00	79.00	14.30	1	I	32.80	7.00	BL1434		139TA5652
286.00	M30	2.00	215.00	14.30	1	I	32.40	7.20	BL1434		139TA5653
323.00	M33	1.50	250.00	14.30	1	I	32.00	7.00	BL1434		139TA5654
350.00	M33	2.00	243.00	14.30	1		33.00	7.40	BL1434		139TA5655
176.40	M30	1.50	76.00	14.30	1	I	52.30	14.00	BL1446		139TA5656
330.00	M30	1.50	215.00	14.30	1	I	52.50	14.20	BL1446		139TA5657
282.00	1 1/4 UNF		173.00	14.30	2	U	0.00	20.30	BL1446		113TA1881
346.00	1 1/4 UNF		260.00	14.30	2	I	73.00	20.30	BL1446		139TA5658
411.00	1 1/2 UNC		255.00	14.30	3	U	80.00	11.00	BL1466		139TA5659
280.00	1 1/2 UNC		120.00	17.50	2	U	90.00	15.80	BL1644		139TA5660
460.00	M48	5.00	295.00	17.50	3	U	90.00	14.00	BL1666		139TA5661
483.00	2 1/4 UNF		171.00	17.60	4	U	152.60	15.70	BL1688		139TA5662
280.00	M30	1.50	180.00	17.90	2	U	60.00	12.50	F504		139TA5663
324.40	M48	5.00	210.00	17.90	2	U	60.30	13.00	F504		139TA5664
497.00	M48	5.00	388.00	17.90	2	U	60.00	13.00	F504		139TA5665
500.00	M48	5.00	395.00	17.90	3	U	100.00	13.00	F506U		113TA1901
361.00	M42	3.00	185.00	17.90	4	U	105.30	12.60	F508U	FS08	113TA1905
499.00	M48	5.00	390.00	17.90	4	U	100.00	12.00	F508U		139TA5666
505.00	1 7/8		395.00	17.90	4	U	100.00	13.00	F508U		139TA5667
590.00	M42	3.00	452.00	17.90	4	U	110.00	15.60	F508U		139TA5668
499.00	M48	5.00	390.00	23.00	3	U	100.00	16.00	F636U		139TA5669
86.00	M14	2.00	42.00	8.30	2	U	22.00	4.00	FB154	Oval plates	139TA5670
140.00	M20	2.50	90.00	8.30	3	U	31.50	4.80	FB156	Oval plates	113TA1785
167.00	M16	2.00	118.00	5.10	3	U	30.10	4.60	FB156S		113TA1786
232.50	M12	1.75	117.00	6.00	2	U	25.00	4.00	FB194K		113TA1801
145.00	M20	2.50	97.00	10.00	3	U	30.00	4.00	FB196S	Oval plates	139TA5671
166.00	M16	2.00	116.40	6.50	3	U	35.20	5.00	FB196S		139TA5672
167.50	M16	2.00	118.75	6.50	3	U	40.25	5.00	FB196S		139TA5673
210.00	M16	2.00	145.00	6.50	3	I	40.20	5.20	FB196SK		139TA5674
249.30	M16	2.00	140.00	6.50	3	I	39.70	5.20	FB196SK		139TA5675
200.00	M20	2.50	144.00	6.50	4	U	50.00	5.00	FB198SK		139TA5676
200.00	M20	2.50	121.00	12.00	3		40.00	6.50	FB256	Oval plates	139TA5677
136.50	7/16 UNF		100.00	5.30	4	U	19.20	2.10	FLC645		139TA5678
115.20	3/4 UNF		76.20	5.80	7	U	34.70	2.00	FLC678		139TA5679
184.50	3/4 UNF		126.00	9.60	5	U	34.90	3.10	FLC1056		139TA5680

CHAIN ANCHORS

TYPE NU

L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
217.00	1 UNC		146.50	9.60	7	U	51.50	3.20	FLC1078		139TA5681
107.20	M10	1.50	76.40	4.60	2	U	14.00	3.20	LL844		139TA5682
128.50	M16	2.00	81.00	5.00	2	U	25.00	3.50	LL1044		139TA5683
175.00	M12	1.75	144.00	5.00	2	I	0.00	3.60	LL1044		139TA5684
180.00	M14	2.00	150.50	5.00	3	U	22.30	3.70	LL1066		139TA5685
130.00	M18	2.50	85.00	5.00	4	U	30.00	3.30	LL1088		113TA1793
170.00	M14	2.00	128.00	5.80	2	U	20.00	4.00	LL1244		139TA5686
122.60	M20	2.50	94.15	5.80	3	U	27.40	3.75	LL1266		139TA5687
130.20	M20	2.50	86.00	5.80	3	U	35.00	4.30	LL1266		139TA5688
141.00	M16	2.00	95.00	5.80	3	U	24.60	4.00	LL1266		139TA5689
149.50	M16	2.00	105.00	5.80	3	U	27.00	4.00	LL1266		139TA5690
205.00	M18	2.50	155.00	5.80	3	U	34.60	4.20	LL1266		139TA5691
135.00	M20	2.50	102.00	5.80	4	U	28.00	4.20	LL1288		139TA5692
220.00	M16	2.00	177.00	8.30	1	I	18.50	6.50	LL1644		139TA5693
150.00	M20	2.50	103.50	8.30	2	U	31.65	7.00	LL1644		139TA5694
160.00	M18	2.50	124.00	8.30	2	U	25.50	6.50	LL1644		139TA5695
162.50	M20	2.50	112.00	8.30	2	U	35.60	6.50	LL1644		139TA5696
172.40	M20	2.50	98.20	8.30	2	U	35.50	6.60	LL1644	Oval plates	139TA5697
193.00	M20	2.50	145.00	8.30	2	U	32.00	6.50	LL1644		139TA5698
220.50	M16	2.00	175.00	8.30	2	U	28.50	7.00	LL1644		139TA5699
172.00	M20	1.50	110.00	12.50	2	I	29.80	6.50	LL1666	Oval plates	139TA5700
188.00	M20	2.50	100.00	12.00	2	I	30.00	6.00	LL1666	Oval plates	139TA5701
188.00	M20	2.50	131.00	8.30	3	U	44.30	7.00	LL1666		139TA5702
211.00	M24	3.00	122.00	0.00	3	U	50.00	6.50	LL1666		139TA5703
212.00	M20	2.50	160.00	8.30	3	U	41.70	7.00	LL1666		139TA5704
260.00	M30	3.50	140.80	0.00	3	U	51.50	7.50	LL2066		139TA5705
358.00	M30	3.50	210.00	15.00	2	U	62.00	10.80	LL2444		139TA5706
302.00	M36	4.00	158.00	0.00	3	U	67.00	10.00	LL2466		139TA5707
219.00	M36	3.00	115.00	16.00	2	U	62.20	13.10	LL2844		139TA5708
363.20	M30	3.50	205.00	18.10	2	U	61.00	13.00	LL3244		139TA5709
270.00	M36	3.00	126.00	14.60	3	U	63.20	11.00	LL3266		139TA5710
54.75	M8	1.25	24.25	2.50	0		4.80	0.00	05B1		139TA5711
65.00	M10	1.50	51.00	3.40	0		8.30	0.00	06B1		139TA5712
53.00	M8	1.25	34.00	4.70	0		11.00	0.00	08B1		139TA5713
52.00	M12	1.75	33.00	5.10	0		13.00	0.00	10B1		139TA5714
62.00	M12	1.75	42.50	5.10	0		13.00	0.00	10B1		139TA5715
68.50	M10	1.00	40.00	5.10	0		13.00	0.00	10B1		139TA5716
93.00	M10	1.50	64.00	5.10	0		13.00	0.00	10B1		139TA5717
57.00	M10	1.50	32.00	4.50	1		19.00	3.30	1601/2		106TA7840
90.30	M20	1.50	34.00	16.00	0		40.00	0.00	16B1		139TA5718
153.00	M20	1.50	117.75	16.20	0		25.45	0.00	16B1		139TA5719
212.00	M24	3.00	158.00	8.20	1		55.00	9.00	16B2		139TA5720
88.00	M20	1.50	40.50	16.00	0		24.85	0.00	20B1		139TA5721
154.00	M20	1.50	119.70	16.00	0		28.90	0.00	20B1		113TA1949
209.50	M20	2.50	161.00	8.30	2		30.85	6.55	24B1		139TA5722
20.00	M5	0.80	12.00	2.30	0		4.50	0.00	ASA25		113TA1925
27.50	M6	1.00	16.50	2.30	0		4.80	0.00	ASA25		113TA1926
58.50	M10	1.50	45.00	4.10	0		10.80	0.00	ASA40		139TA5723
58.00	M10	1.25	48.00	4.10	0		10.50	0.00	ASA40		139TA5724
71.00	M14	1.50	45.50	4.00	1		24.00	4.00	ASA40-2		139TA5725
52.20	M14	1.50	35.25	5.10	0		14.00	0.00	ASA50		139TA5726
75.00	M8	1.25	58.00	5.10	0		9.80	0.00	ASA50		139TA5727
81.00	M12	1.25	64.00	5.10	0		13.00	0.00	ASA50		139TA5728
85.00	M10	1.50	38.00	5.10	0		13.20	0.00	ASA50		139TA5729
85.00	M8	1.25	33.00	5.10	0		13.20	0.00	ASA50		139TA5730
100.20	M20	2.50	71.00	5.50	1		31.90	4.50	ASA502		139TA5731

TYPE NU

L1	TA	Pm	L2	D1	AT-GL	LG-GL	B1	B2	TY-K1	Remark	REF
mm			mm	mm			mm	mm			
79.00	M10	1.25	47.00	6.10	0		17.50	0.00	ASA60		139TA5732
108.00	M16	1.50	51.00	6.10	0		17.20	0.00	ASA60		139TA5733
192.00	M16	1.50	157.00	8.40	0		12.50	0.00	ASA60		139TA5734
114.80	M19	2.50	75.60	6.10	1		40.60	4.90	ASA602		139TA5735
85.00	M18	1.50	50.00	8.00	0		22.00	0.00	ASA80		139TA5736
97.00	M18	1.50	67.00	8.00	0		22.20	0.00	ASA80		139TA5737
130.40	3/4 UNC		101.50	8.00	0		22.30	0.00	ASA 80		139TA5738
155.00	M18	1.50	119.00	8.00	0		22.00	0.00	ASA80		139TA5739
170.00	M16	1.50	130.50	8.00	0		22.10	0.00	ASA80		139TA5740
175.00	M16	1.50	125.00	8.00	0		22.20	0.00	ASA80		139TA5741
182.30	M18	1.50	139.00	8.00	0		22.10	0.00	ASA80		139TA5742
194.00	M16	1.50	160.00	8.00	0		22.00	0.00	ASA80		139TA5743
210.00	M18	1.50	162.00	8.00	0		22.50	0.00	ASA80		139TA5744
60.00	M16	2.00	30.00	9.60	0		28.50	0.00	ASA100		139TA5745
95.00	M18	1.85	48.40	9.60	0		26.75	0.00	ASA100		139TA5746
95.50	M16	1.50	61.00	9.60	0		18.50	0.00	ASA100		139TA5747
96.00	M16	1.50	65.00	9.60	0		27.30	0.00	ASA100		139TA5748
119.00	3/4 UNF		50.00	9.60	0		26.50	0.00	ASA100		139TA5749
155.00	M18	1.50	115.00	9.60	0		27.00	0.00	ASA100		139TA5750
171.00	M18	1.50	137.00	9.60	0		27.10	0.00	ASA100		139TA5751
210.00	M18	1.50	140.00	9.60	0		26.50	0.00	ASA100		139TA5752
227.00	3/4 UNF		156.00	9.60	0		26.50	0.00	ASA100		139TA5753
238.00	M20	1.50	165.00	11.25	0		35.00	0.00	ASA120		139TA5754
147.50	M24	2.00	60.50	11.25	1		24.50	5.40	ASA1202		139TA5755
166.00	M16	1.50	128.00	13.50	0		27.00	0.00	ASA200		139TA5756

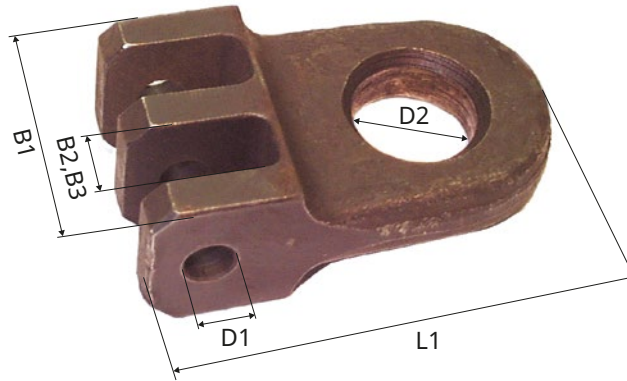
NUTS



Thread	Step	REF
M10	1.50	139TA5798
M12	1.25	139TA5799
M12	1.50	113TA1735
M12	1.75	139TA5800
M14	1.50	107TA5355
M14	2.00	107TA6481
M16	1.50	107TA5356
M16	2.00	139TA5801
M18	1.50	139TA5802
M18	2.50	113TA1821
M20	1.50	113TA1760
M20	2.50	139TA5803
M22	1.50	139TA5804
M22	2.50	139TA5805
M24	1.50	113TA1975
M24	2.00	139TA5806
M24	3.00	113TA1886
M27	2.00	139TA5807
M30	1.50	139TA5808
M30	2.00	139TA5809
M30	3.50	113TA1891
M33	1.50	139TA5810
M33	2.00	139TA5811
M36	3.00	139TA5812
M36	4.00	113TA1894
M39	3.00	139TA5813
M42	3.00	139TA5814
M48	5.00	139TA5815

Thread	REF
7/16 UNF	139TA5816
1/2 UNF	139TA5817
5/8 UNF	139TA5818
5/8 UNC	113TA1884
3/4 UNF	139TA5819
7/8 UNF	139TA5820
1 UNF	139TA5821
1 UNC	139TA5822
1 1/16 UNF	139TA5823
1 1/2 UNF	113TA1890
1 1/4 UNF	139TA5824
1 7/8 UNF	139TA5825
2 1/4 UNF	139TA5826

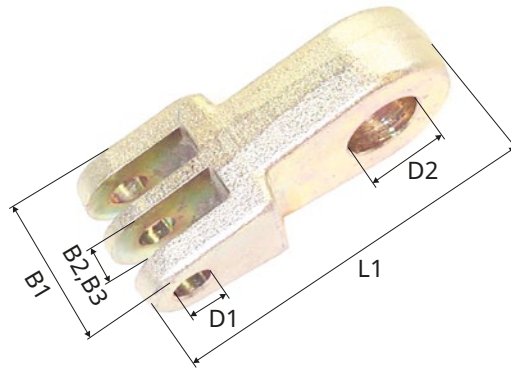
TYPE OH



L1	D1	D2	AT-GL	LG-GL	B1	B2	TY-K1	REF
mm	mm	mm			mm	mm		
50.80	5.00	19.05	2	U	31.75	6.80	AL544	139TA5760
63.00	6.00	20.00	1	I	12.20	2.70	BL534	139TA5761
77.90	6.00	30.10	1	I	12.00	3.10	BL534	139TA5762
55.70	6.00	25.50	2	U	32.00	8.00	BL546	139TA5763
60.00	6.00	25.40	2	U	31.50	8.00	BL546	139TA5764
68.20	6.00	25.50	2	U	31.80	8.00	BL546	139TA5765
55.50	6.00	25.40	3	U	32.50	5.20	BL566	139TA5766
60.00	6.00	25.40	3	U	32.00	5.00	BL566	139TA5767
55.00	8.00	12.00	2	U	26.50	7.00	BL634	139TA5768
67.50	8.00	29.10	1	I	16.40	4.00	BL634	139TA5769
80.20	8.00	30.00	1	I	16.20	3.50	BL634	139TA4439
79.00	9.60	25.00	1	I	24.90	12.80	BL823	139TA5770
80.00	9.60	25.00	0	I	12.00	0.00	BL823	139TA5771
71.05	9.60	25.40	2	U	30.85	8.45	BL834	139TA5772
80.00	9.60	25.30	1	I	20.50	4.60	BL834	139TA5773
80.20	9.60	25.50	2	U	31.00	8.50	BL834	139TA5774
84.00	9.60	30.00	1	I	20.20	4.40	BL834	139TA5775
65.00	9.60	35.00	2	U	41.80	13.00	BL846	139TA5776
80.00	9.60	25.80	2	U	46.00	13.00	BL846	139TA5777
102.00	9.60	38.00	3	U	58.50	8.50	BL866	139TA5778
92.50	9.60	40.00	3	U	58.00	8.50	BL866	139TA5779
96.00	9.60	40.00	3	U	57.10	8.30	BL866	139TA5780
61.00	11.20	25.50	2	U	33.60	12.70	BL1046	139TA5781
75.00	6.50	30.00	3	U	40.00	5.00	FB196SK	139TA5782
81.50	6.00	30.20	0		12.50	0.00	ASA60	139TA5758
83.00	8.00	30.00	0		18.00	0.00	ASA80	139TA5759

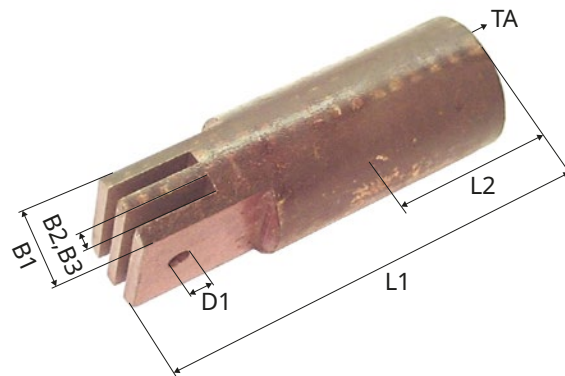
CHAIN ANCHORS

TYPE O



L1	D1	D2	AT-GL	LG-GL	B1	B2	TY-K1	REF
mm	mm	mm			mm	mm		
62.00	6.00	20.00	1	I	12.20	2.70	BL534	139TA5788
77.00	8.00	25.00	1	I	16.00	4.00	BL634	139TA5787
79.90	9.60	25.10	0	I	12.20	0.00	BL823	139TA5786
80.00	9.60	25.00	1	I	20.50	4.50	BL834	139TA5784
105.00	8.60	14.70	3	U	50.00	7.00	LL1666	139TA5783
110.00	11.00	44.00	1	I	24.50	5.50	ASA120-2	139TA5785

TYPE NI



L1	TA	PM	RH/LH	L2	D1	AT-GL	B1	B2	TY-K1	REF
mm				mm	mm		mm	mm		
62.00	M12	1.75	RH	30.00	9.60	2	31.20	8.50		139TA5790
75.00	M16	2.00	RH	45.50	6.00	4	42.30	5.00		139TA5791
70.50	M6	1.00	RH	19.50	8.00	2	31.50	7.00	BL644	139TA5792
68.00	3/4 UNF	0.00	RH	0.00	8.30	2	39.30	10.80	BL646	139TA5793
87.00	M18	1.50	RH	0.00	9.50	1	20.40	4.60	BL834	139TA5794
70.00	M8	1.25	RH	21.50	6.70	2	24.00	5.00	F19V66	139TA5795
190.00	M52	2.00	RH	50.00	23.00	3	100.00	17.00	F636U	113TA1906
18.20	M4	1.75	RH	9.00	2.40	0	0.00	0.00	1200038	106TA7845
60.00	M8	1.25	LH	38.00	3.50	0	7.50	0.00	6B1	139TA5796
40.00	1/4 UNF	0.00	LH	0.00	3.30	1	18.00	2.50	6B2	139TA5797

TYPES



AL644

- L1: 60.00 mm
- D1: 6.00 mm
- AT-GL: 1
- LG-GL: I
- B1: 14.50 mm
- B2: 5.00 mm

REF [139TA5827](#)



AL644

- L1: 60.65 mm
- D1: 6.00 mm
- AT-GL: 2
- B1: 22.00 mm
- B2: 5.20 mm

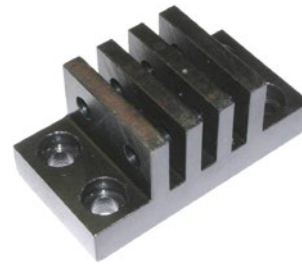
REF [139TA5828](#)



AL644

- L1: 60.65 mm
- D1: 6.00 mm
- AT-GL: 2
- B1: 22.00 mm
- B2: 5.20 mm

REF [139TA5829](#)



AL666

- L1: 70.00 mm
- D1: 6.00 mm
- D2: 6.50 mm
- AT-GL: 3
- LG-GL: U
- B1: 35.70 mm
- B2: 5.00 mm

REF [139TA5830](#)



AL666

- L1: 58.00 mm
- D1: 6.00 mm
- AT-GL: 3
- B1: 40.00 mm
- B2: 5.00 mm

REF [139TA5831](#)



AL822

- L1: 59.00 mm
- L2: 35.00 mm
- D1: 8.25 mm
- AT-GL: 1
- B1: 18.00 mm
- B2: 6.00 mm

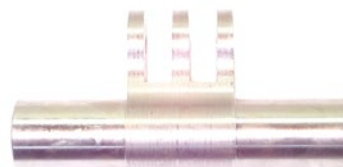
REF [116TA4843](#)



AL1066

- L1: 126.50 mm
- L2: 141.00 mm
- D1: 9.60 mm
- AT-GL: 2
- B1: 39.60 mm
- B2: 8.50 mm

REF [139TA5832](#)



BL1046

- L1: 180.00 mm
- D1: 11.00 mm
- AT-GL: 2
- B1: 58.10 mm
- B2: 15.20 mm

REF [139TA5833](#)

CHAIN ANCHORS

TYPES



BL1246

- L1: 95.50 mm
- L2: 92.50 mm
- D1: 12.80 mm
- AT-GL: 2
- B1: 65.80 mm
- B2: 18.00 mm

REF [139TA5834](#)



BL1446

- L1: 114.40 mm
- D1: 14.25 mm
- AT-GL: 2
- B1: 75.00 mm
- B2: 20.40 mm

REF [139TA5835](#)



BL1446

- L1: 99.00 mm
- L2: 45.00 mm
- D1: 14.25 mm
- AT-GL: 2
- B1: 71.00 mm
- B2: 20.70 mm

REF [139TA5836](#)



BL446

- L1: 50.00 mm
- D1: 5.00 mm
- AT-GL: 3
- B1: 30.00 mm
- B2: 5.00 mm

REF [139TA5837](#)



BL488

- L1: 48.80 mm
- L2: 40.00 mm
- D1: 5.00 mm
- AT-GL: 3
- B1: 30.20 mm
- B2: 4.50 mm
- TY-K1: BL488

REF [139TA5838](#)



BL534

- L1: 37.80 mm
- D1: 6.20 mm
- D2: 6.20 mm
- AT-GL: 2
- LG-GL: I
- B1: 12.10 mm
- B2: 2.70 mm

REF [139TA5839](#)



TY-K1, TY-K2, BL544, LH1044

- L1: 45.00 mm
- L2: 27.35 mm
- D1: 6.00 mm
- AT-GL: 2
- B1: 24.30 mm
- B2: 5.30 mm

REF [139TA5840](#)



BL544KS

- L1: 120.00 mm
- TA: M12
- PM: 1.75
- RH/LH: RH
- L2: 64.00 mm
- D1: 6.00 mm
- AT-GL: 2
- B1: 28.00 mm
- B2: 5.50 mm

REF [139TA5841](#)

TYPES



TY-K1, TY-K2, BL588, AL688

- L1: 55.70 mm
- L2: 51.35 mm
- D1: 6.00 mm
- AT-GL: 4
- B1: 44.00 mm
- B2: 5.20 mm

REF [139TA5842](#)



BL588

- L1: 68.40 mm
- D1: 6.00 mm
- AT-GL: 4
- B1: 43.80 mm
- B2: 5.30 mm

REF [139TA5843](#)



BL623

- L1: 60.00 mm
- D2: 8.00 mm
- LG-GL: U
- B1: 9.50 mm

REF [139TA5844](#)



BL623

- L1: 74.00 mm
- D1: 8.00 mm
- AT-GL: 1
- LG-GL: I
- B1: 20.00 mm
- B2: 10.30 mm

REF [139TA5845](#)



BL623

- L1: 75.00 mm
- D1: 8.00 mm
- AT-GL: 1
- B1: 20.00 mm
- B2: 10.40 mm

REF [139TA5846](#)



BL633

- L1: 56.00 mm
- D1: 8.00 mm
- AT-GL: 1
- B1: 20.00 mm
- B2: 10.00 mm

REF [139TA5847](#)



BL634

- L1: 46.00 mm
- D1: 8.00 mm
- D2: 8.00 mm
- AT-GL: 1
- B1: 16.30 mm
- B2: 3.50 mm

REF [139TA5848](#)



BL634

- L1: 67.50 mm
- D1: 8.00 mm
- AT-GL: 2
- B1: 31.30 mm
- B2: 6.80 mm

REF [139TA5849](#)

CHAIN ANCHORS

TYPES



BL644

- L1: 50.00 mm
- L2: 59.00 mm
- D1: 8.00 mm
- AT-GL: 2
- B1: 36.00 mm
- B2: 7.00 mm

REF [139TA5850](#)



TY-K1, TY-K2, BL644, AL844

- L1: 55.00 mm
- L2: 38.00 mm
- D1: 8.00 mm
- AT-GL: 2
- B1: 29.00 mm
- B2: 5.90 mm

REF [139TA5851](#)



BL644

- L1: 61.00 mm
- D1: 8.30 mm
- AT-GL: 2
- B1: 28.40 mm
- B2: 6.80 mm

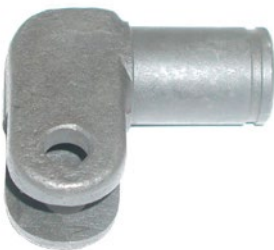
REF [139TA5852](#)



BL646

- L1: 70.00 mm
- L2: 52.00 mm
- D1: 8.00 mm
- AT-GL: 2
- B1: 40.00 mm
- B2: 10.50 mm

REF [139TA5853](#)



BL823

- L1: 59.60 mm
- D1: 9.60 mm
- AT-GL: 1
- B1: 24.00 mm
- B2: 13.00 mm
- TY-K1: BL823

REF [139TA5854](#)



BL834

- L1: 75.00 mm
- D1: 9.70 mm
- D2: 9.70 mm
- AT-GL: 2
- B1: 32.70 mm
- B2: 8.60 mm

REF [139TA5855](#)



BL834

- L1: 75.00 mm
- D1: 9.60 mm
- D2: 44.30 mm
- AT-GL: 3
- LG-GL: I
- B1: 35.00 mm
- B2: 9.00 mm

REF [139TA5856](#)



BL834

- L1: 60.00 mm
- D1: 9.70 mm
- D2: 8.00 mm
- AT-GL: 2
- LG-GL: U
- B1: 30.20 mm
- B2: 8.70 mm

REF [139TA5857](#)

TYPES



BL834

- L1: 64.20 mm
- L2: 68.40 mm
- D1: 9.50 mm
- AT-GL: 2
- B1: 33.10 mm
- B2: 8.50 mm

REF [139TA5858](#)



BL834

- L1: 75.00 mm
- L2: 40.00 mm
- D1: 9.50 mm
- AT-GL: 2
- B1: 32.50 mm
- B2: 8.70 mm

REF [139TA5859](#)



BL846

- L1: 44.00 mm
- D1: 9.52 mm
- AT-GL: 2
- LG-GL: U
- B1: 55.00 mm
- B2: 13.00 mm

REF [139TA5860](#)



BL834+2PL

- L1: 58.70 mm
- D1: 9.60 mm
- AT-GL: 2
- B1: 66.00 mm
- B2: 8.50 mm

REF [139TA5861](#)



BL834+PL

- L1: 280.00 mm
- TA: M18
- PM: 2.50
- RH/LH: RH
- L2: 140.00 mm
- D1: 9.70 mm
- AT-GL: 2
- B1: 40.00 mm
- B2: 8.50 mm

REF [139TA5608](#)



BL844+PL

- L1: 211.40 mm
- TA: M16
- PM: 2
- RH/LH: RH
- L2: 166.00 mm
- D1: 9.60 mm
- AT-GL: 2
- B1: 43.00 mm
- B2: 8.50 mm

REF [139TA5610](#)



BL844+PL

- L1: 65.00 mm
- D1: 9.52 mm
- AT-GL: 2
- LG-GL: U
- B1: 43.00 mm
- B2: 9.00 mm

REF [139TA5862](#)



TY-K1, FB156

- L1: 40.00 mm
- D1: 8.20 mm
- AT-GL: 3
- B1: 32.40 mm
- B2: 3.50 mm
- B3: 4.00 mm
- Oval plates

REF [139TA5863](#)

CHAIN ANCHORS

TYPES



FB156S

- L1: 50.00 mm
- D1: 5.00 mm
- AT-GL: 3
- B1: 30.00 mm
- B2: 4.70 mm

REF [139TA5864](#)



LINDE080

- L1: 180.00 mm
- TA: M12
- PM: 1.75
- RH/LH: RH
- L2: 97.00 mm
- D1: 8.00 mm
- AT-GL: 1
- B1: 20.00 mm
- B2: 10.30 mm

REF [139TA5865](#)



LINDE102

- L1: 250.00 mm
- TA: M20
- PM: 1.50
- RH/LH: RH
- L2: 190.00 mm
- D1: 9.70 mm
- AT-GL: 2
- B1: 47.70 mm
- B2: 8.60 mm

REF [139TA5866](#)



LINDE104

- L1: 220.00 mm
- TA: M20
- PM: 1.50
- RH/LH: RH
- L2: 125.00 mm
- D1: 9.50 mm
- AT-GL: 2
- B1: 37.00 mm
- B2: 5.00 mm

REF [139TA5867](#)



LINDE104

- L1: 220.00 mm
- TA: M20
- PM: 1.50
- RH/LH: RH
- L2: 112.00 mm
- D1: 9.75 mm
- AT-GL: 4
- B1: 66.00 mm
- B2: 4.50 mm
- B3: 10.00 mm

REF [139TA5868](#)



LINDE104

- L1: 59.00 mm
- L2: 42.30 mm
- D1: 9.50 mm
- AT-GL: 4
- B1: 66.00 mm
- B2: 5.00 mm
- B3: 9.40 mm

REF [139TA5869](#)



LINDE105

- L1: 220.00 mm
- TA: M16
- PM: 1.50
- RH/LH: RH
- L2: 135.00 mm
- D1: 8.30 mm
- AT-GL: 2
- B1: 32.00 mm
- B2: 7.00 mm

REF [106TA7837](#)



LINDE105

- L1: 59.00 mm
- L2: 38.00 mm
- D1: 8.20 mm
- AT-GL: 2
- B1: 41.50 mm
- B2: 7.00 mm

REF [106TA7831](#)

TYPES



LINDE106

- L1: 250.00 mm
- TA: M20
- PM: 1.50
- RH/LH: RH
- L2: 160.00 mm
- D1: 8.30 mm
- AT-GL: 3
- B1: 46.50 mm
- B2: 7.50 mm

REF [106TA7839](#)



LINDE106

- L1: 58.00 mm
- L2: 66.80 mm
- D1: 8.25 mm
- AT-GL: 3
- B1: 46.30 mm
- B2: 7.00 mm
- B3: 7.50 mm

REF [106TA7835](#)



LINDE106

- L1: 310.50 mm
- TA: M24
- PM: 1.50
- RH/LH: RH
- L2: 129.50 mm
- D1: 9.50 mm
- AT-GL: 4
- B1: 76.60 mm
- B2: 9.15 mm
- B3: 10.90 mm

REF [139TA5871](#)



LINDE108

- L1: 71.00 mm
- L2: 38.00 mm
- D1: 9.50 mm
- AT-GL: 4
- B1: 77.00 mm
- B2: 9.25 mm
- B3: 11.00 mm

REF [139TA5872](#)



LINDE109

- L1: 220.00 mm
- TA: M20
- PM: 1.50
- RH/LH: RH
- L2: 120.30 mm
- D1: 9.70 mm
- AT-GL: 2
- B1: 65.90 mm
- B2: 8.50 mm

REF [139TA5873](#)



TY-K1, TY-K2, LINDE109, LINDE116

- L1: 59.00 mm
- D1: 9.50 mm
- AT-GL: 2
- B1: 66.00 mm
- B2: 8.50 mm

REF [139TA5874](#)



LINDE110

- L1: 60.35 mm
- L2: 38.30 mm
- D1: 8.30 mm
- AT-GL: 2
- B1: 31.70 mm
- B2: 7.00 mm

REF [139TA5875](#)



LINDE111

- L1: 96.00 mm
- D1: 9.50 mm
- D2: 40.00 mm
- AT-GL: 3
- B1: 57.10 mm
- B2: 8.30 mm

REF [139TA5780](#)

CHAIN ANCHORS

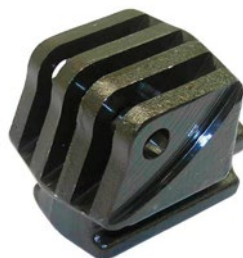
TYPES



LINDE111

- L1: 222.00 mm
- TA: M24
- PM: 2
- RH/LH: RH
- L2: 150.00 mm
- D1: 9.50 mm
- AT-GL: 3
- B1: 58.00 mm
- B2: 8.50 mm

REF [139TA5622](#)



LINDE111

- L1: 66.50 mm
- D1: 9.52 mm
- AT-GL: 3
- LG-GL: U
- B1: 46.20 mm
- B2: 7.00 mm

REF [139TA5876](#)



LINDE119

- L1: 72.00 mm
- D1: 10.40 mm
- AT-GL: 4
- LG-GL: I
- B1: 87.00 mm
- B2: 10.40 mm

REF [139TA5877](#)



LL1266

- L1: 50.00 mm
- L2: 35.00 mm
- D1: 6.00 mm
- AT-GL: 3
- B1: 34.50 mm
- B2: 4.00 mm

REF [139TA5878](#)



LL1644

- L1: 140.00 mm
- D1: 8.50 mm
- D2: 17.00 mm
- AT-GL: 2
- B1: 28.50 mm
- B2: 7.00 mm

REF [139TA5879](#)



LL1644

- L1: 141.00 mm
- D1: 8.30 mm
- D2: 17.00 mm
- AT-GL: 2
- LG-GL: U
- B1: 28.50 mm
- B2: 7.00 mm

REF [139TA5880](#)



LL1666

- L1: 138.00 mm
- D1: 8.00 mm
- D2: 17.00 mm
- AT-GL: 2
- LG-GL: U
- B1: 31.00 mm
- B2: 6.10 mm

REF [139TA5881](#)



LL1666

- L1: 65.90 mm
- L2: 35.60 mm
- D1: 8.30 mm
- AT-GL: 2
- B1: 30.40 mm
- B2: 6.50 mm

REF [139TA5882](#)

TYPES



LL1666

- L1: 156.00 mm
- D1: 8.20 mm
- D2: 17.00 mm
- AT-GL: 3
- LG-GL: I
- B1: 41.50 mm
- B2: 6.70 mm

REF [139TA5883](#)



LL1666

- L1: 64.00 mm
- D1: 8.30 mm
- D2: 17.00 mm
- AT-GL: 3
- LG-GL: I
- B1: 41.40 mm
- B2: 6.80 mm

REF [139TA5884](#)



LL1666

- L1: 66.00 mm
- L2: 46.00 mm
- D1: 8.50 mm
- AT-GL: 3
- LG-GL: I
- B1: 41.00 mm
- B2: 6.80 mm

REF [139TA5885](#)



TY-K1, TY-K2, LL2066, F3166

- L1: 91.50 mm
- L2: 39.00 mm
- D2: 17.40 mm
- AT-GL: 3
- B1: 51.70 mm
- B2: 8.30 mm

REF [139TA5886](#)



10B1

- L1: 70.50 mm
- B1: 21.50 mm

REF [139TA5887](#)



10B1

- L1: 74.00 mm

REF [139TA5888](#)



10B1

- L1: 78.50 mm
- D1: 5.40 mm
- B1: 13.40 mm

REF [139TA5889](#)



10B1

- L1: 41.50 mm
- AT-GL: 2
- B1: 41.50 mm
- B2: 8.00 mm

REF [139TA5890](#)

TYPES



8B1

- L1: 33.00 mm
- TA: M8
- PM: 1.25
- RH/LH: LH
- L2: 22.00 mm
- D1: 4.40 mm
- LG-GL: I
- B1: 11.50 mm

REF [139TA5891](#)



8B1

- L1: 33.40 mm
- TA: M8
- PM: 1.25
- RH/LH: RH
- L2: 22.00 mm
- D1: 4.50 mm
- D2: 10.00 mm
- B1: 11.20 mm
















REF [139TA5892](#)





05. **CHAIN SHEAVES**

CHAIN SHEAVES

CHAIN SHEAVES				
	Inside diameter mm	Outside diameter mm	Chain type	REF
	35.00	82.00	BL534	104TA1859
	35.00	82.00	BL634	164TA7952
	35.00	86.00	BL546	109TA5894
	35.00	87.50	BL634	104TA1866
	35.00	91.50	BL623	119TA4207
	35.00	101.00	BL634	109TA5869
	35.50	90.00	BL834/BL644	140TA2978
	37.00	55.00	BL544	116TA2493
	38.00	91.00	BL844	116TA2583
	40.00	100.00	BL823	104TA1915
	40.00	104.00	BL823	104TA1914
	40.00	111.00	BL846	104TA1917
	40.00	124.00	BL646	104TA1921
	45.00	110.00	BL634	104TA1747
	60.00	110.00	BL866	104TA2874

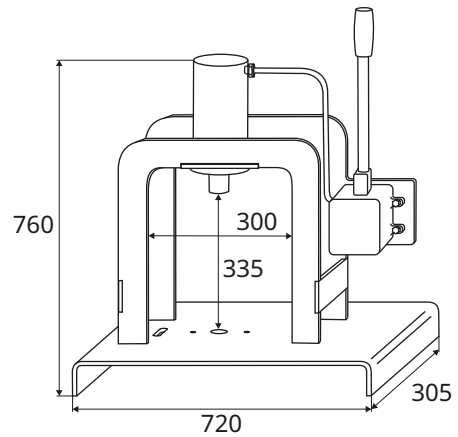




06.

**MAINTENANCE,
REPAIR &
OPERATION**

MULTIFUNCTIONAL MANUAL HYDRAULIC PRESS



This multifunctional hydraulic press is designed for:

- Cutting forklift chains
- Cutting and crimping of battery cables
- Pressing bearings

The press can be operated manually, but can also be set up for a dual control mode, allowing for the press to be operated by an additional external hydraulic unit.

The standard reference includes only the press, additional options can be bought separately.

REF [144TA6922](#)



ACCESSORIES



Chain cutting tool kit:
BL544KS TOYOTA - CESAB
TYPE 080 - 105 - 110 -
111 LINDE - OM - STILL

REF [144TA8674](#)



Leaf chain cutting tool kit:

- AL4 -- EL4 -- BL4 --
- AL5 -- EL5 -- BL5 --
- AL6 -- EL6 -- BL6 --
- EL8 -- BL8 --*

REF [144TA8673](#)



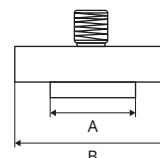
Battery cable cutting kit:
Diameter: 16 - 25 - 35 - 50 -
70 - 90 mm²

REF [144TA8857](#)



Tool kit for cable press

REF [144TA8859](#)



A	B
17 mm	38 mm
20 mm	40 mm
20 mm	45 mm
25 mm	50 mm

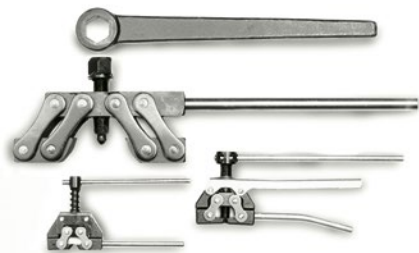
CHAIN CUTTER & RIVETING TOOL



The Tsubaki rollerchain breaker is designed for most common European and ANSI sizes reaching from 05B-1 up to 16B-1 and ANSI35-1 up to ANSI80-1. The TSUBAKI chain breaker is available from stock and supplied as complete set including toolset and assembly set.

REF [163TA8744](#)

CHAIN PULLER FOR ROLLER CHAINS



Type	ANSI	Pitch	DIN	REF
CB 25-60	25-35-40-50-60	1/4"-3/4"-6.35-19.05	06B-08B-10B-12B	122TA6905
CB 60-100	60-80-100	3/4"-1 1/4"-19.05-31.75	12B-16B-20B	122TA6906
CB 120-160	120-140-160	1 1/2"-2"-38.1-50.8	24B-28B-32B	122TA6907

CHAIN CUTTER & RIVETING TOOL FOR ROLLER CHAINS



Type	ANSI	DIN	REF
CP 35	35-60	06B-12B	122TA6908
CP 60	60-100	12B-20B	122TA6909
CP 80	80-200	16B-40B	122TA6910

CHAIN CUTTER FOR ROLLER CHAINS - W-TYPE



Type	ANSI	DIN	REF
Cutter 35-40W	35-1, 40-1, 35-2, 40-2	06B-1, 06B-2 081, 082, 083, 084, 085, 08B-1, 08B-2	122TA6911
Cutter 50W	50-1, 50-2, 60-1	10B-1.10B-2, 12B-1, 12B-2	122TA6912
Cutter 60W	60-1, 60-2, 80-1	12B-1, 12B-2	122TA6913
Cutter 80W	80-1, 80-2	12B-1, 12B-2	122TA6914

CHAIN CUTTER FOR ROLLER CHAINS - S-TYPE



Type	ANSI	DIN	REF
Cutter 25S	25-1	05B-1	122TA6915
Cutter 35-40S	35-1, 40-1	06B-1, 08B-1, 081, 082, 083, 084, 085	122TA6916
Cutter 50S	50-1 (50H)	10B-1, 12B-1	122TA6917
Cutter 60S	60-1 (60H)	12B-1	122TA6918
Cutter 80S	80-1 (80H)	16B-1	122TA7322

PROFESSIONAL CHAIN WEAR GAUGE



Measure the degree of wear of a chain: a value of 2% or more means that the chain must be replaced.

REF [143TA3828](#)

PROFESSIONAL CHAIN WEAR GAUGE



- Chain wear gauge in synthetic material
- Indicates the level of chain wear

REF [163TA8743](#)

TOTALSOURCE® CHAIN WEAR GAUGE



- Type 1
- New and unique design
- Suitable for measuring wear on 1/2" (12.7 mm) up to 1 1/4" (31.75 mm) chains, for types AL, LL and BL

REF [164TA6638](#) - 5/8" & 3/4"

REF [164TA8084](#) - 1" & 1 1/4"

ANGLE GRINDER



- Related power input: 2600 W
- No-load speed: 6500 rpm
- Power output: 2600 W
- Grindling spindle thread: M14
- Disc diameter: 230 mm
- Rubber sanding plate, diameter: 230 mm
- Length: 59 mm
- Height: 19,6 mm
- Weight: 5.6 kg



Original
professional
Bosch product

Advantages:




- Powerful 2600 W Champion motor for fast results
- Vibration reduced by up to 40% thanks to Vibration Control main and auxiliary handles to ensure low user fatigue
- Rotating bow handle for optimum grinding and cutting
- Restart protection prevents the tool from automatically restarting after a power cut
- Anti-rotation protective guard with quick adjustment – reliably protects the user if the grinding disc breaks
- Lowest weight in the 2600 W class (only 5.6 kg)
- KickBack Stop: detects when the disc is jammed and shuts down the tool immediately
- Starting current limitation and soft start of the machine
- SDS quick-locking nut for quick and easy disc changes
- Softgrip for comfortable handling of the machine

REF [164TA6649](#)

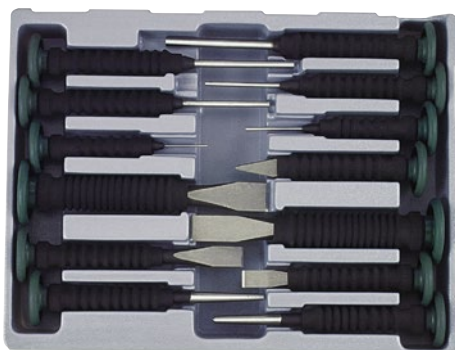
NUT SPLITTER



Double-edged, mechanic nut splitters

				REF	Compatible with
10-27 mm	13/32"-1 1/16"	M6-M18	1	143TA6008	143TA6010

13 PIECE CHISEL AND PUNCH SET WITH HAND PROTECTION



Contents:

- 4 flat chisels with hand protection:
 - 12 mm (length: 150 mm)
 - 15 mm (length: 180 mm)
 - 19 – 22 mm (length: 200 mm)
- 1 cape chisel with hand protection (length: 150 mm)
- 7 pin punches with hand protection:
 - 2 mm (length: 140 mm)
 - 3 mm (length: 150 mm)
 - 4 mm (length: 190 mm)
 - 5 mm (length: 200 mm)
 - 6 mm (length: 185 mm)
 - 6 mm (length: 210 mm)
 - 8 mm (length: 215 mm)
- 1 taper punch with hand protection: 6 mm (length: 185 mm)



REF [142TA2969](#)

VALVE ACTION PAINT MARKER



- Pen with fast drying liquid paint
- Provides long-lasting, wear- and weather-resistant marks
- Marking range: -46 °C to 66 °C
- Surface uses: steel and iron, plastic, glass, pipes and tubes, rubber and tyres, textiles

REF [107TA7486](#) - White
REF [107TA7487](#) - Yellow

1 REF = a box of 12 pieces

SET OF 6 PIN PUNCHES WITH SUPPORT



REF [125TA6799](#)

Contents:

- REF [125TA6792](#) - Diameter: 2 mm
REF [125TA6794](#) - Diameter: 4 mm
REF [125TA6796](#) - Diameter: 6 mm
REF [125TA6797](#) - Diameter: 8 mm
REF [125TA6798](#) - Diameter: 10 mm



HAMMER



1000 g

REF [107TA7561](#)

GRIP PLIERS



IRWIN
VISE-GRIP



Gripping jaws: chrome-vanadium electric steel, forged

Length	Type	REF
100 mm	4WR	142TA1071
130 mm	5WR	142TA1072
175 mm	7WR	142TA1073
225 mm	10WR	142TA1074

12 PIECE DOUBLE OPEN ENDED WRENCH SET - METRIC



FORCE
PROFESSIONAL TOOLS



REF [142TA3732](#)

Contents:

12 double open ended wrenches: 6 x 7 - 8 x 9 - 10 x 11 - 12 x 13 - 14 x 15 - 16 x 17 - 18 x 19 - 20 x 22 - 21 x 23 - 24 x 27 - 25 x 28 - 30 x 32 mm

17 PIECE 1/2" HEXAGON COMBINATION SET

Beta
Beta Utensili S.p.A. Authorized Dealer



REF [151TA3843](#)

Contents:

- 12 hexagon sockets: 10 - 11 - 12 - 13 - 14 - 17 - 19 - 22 - 24 - 27 - 30 - 32 mm
- 1 x 72-teeth ratchet
- 1 sliding T-handle
- 2 extensions: 125 - 255 mm
- 1 universal joint

SPLIT PINS (COTTER PINS)



- Set of 600 pieces
- Steel
- Metric
- DIN 94
- Sizes:
 - 1 x 25 mm
 - 1.6 x 32 mm
 - 2 x 40 mm
 - 2.5 x 40 mm
 - 3.2 x 40 - x 50 mm
 - 4 x 32 - x 50 mm
 - 5 x 50 mm

REF [107TA5462](#)

HEAVY WORK GLOVES



PORTWEST

- Cat II
- Material: split leather, cotton
- Suitable for outdoor work, maintenance, brickwork, ports and airports, construction and civil engineering, dirty environment

REF [168TA2129](#)

FACE SCREEN



Honeywell

Features:

- Safe, practical, economical
- Integral visor fitting ensures extra protection against liquids and impacts
- Comfortable and lightweight, even during extended usage
- Visor can be tilted upwards and locked in any position
- Easy exchangeable visor in polycarbonate

Standard:

- Cat I
- EN 166

REF [143TA7066](#)

Economical replaceable acetate visor for REF 143TA7066

Standard:

- Cat I
- EN 166

REF [143TA7067](#)

BRAKE CLEANER

 TotalSource



- High-quality brake cleaner with high dissolving properties
- Leaves no residue and is non-conductive and non-corrosive
- This cleaner has a powerful jetspray for:
 - drum & disc brakes
 - brake linings
 - calipers
 - shoes
- 500 ml

REF [134TA3719](#)

HIGH SPEED CHAIN OIL





- Chain lubricant, water resistant (water resistant, chain lubricant)
- Penetrates deeply into vital chain pin and bushing areas
- Forms an adhering, long lasting lubricant film
- Reduces friction and wear
- Reduces noise and vibration
- Extends chain life
- O-ring compatible
- Harmless to metals and most plastics and rubbers
- Does not contain chlorinated solvents
- 500 ml

Applications:

Chain drives, sprockets, wire ropes, hoists, open gears, conveyors, forklifts, tractors and farm equipment, pulleys

REF [143TA6909](#)

5-56 + PTFE UNIVERSAL OIL SPRAY





- Multifunctional service fluid for use in the professional mechanic maintenance
- Repulses moisture and prevents electrical failure
- Provides a good protection against corrosion
- Cleans and protects surfaces contaminated by machining or handling
- 500 ml

REF [143TA6901](#)

CHAIN SPRAY

 TotalSource



- High-quality spray to lubricate chain driven transmissions that are subject to heavy load
- To be processed like oil, with the properties of grease
- Resistant to weather influence, to weak acids and bases
- Water-repellent
- 400 ml

REF [105TA4644](#)

ROD FLASH PRO





RUST LOOSENER WITH FREEZE SHOCK

- Cracks the layer of rust and dirt using thermal shock (reduces temperature to -40°C)
- Loosens metal parts seized by dirt, corrosion or dried-up grease
- Penetrates quickly
- Doesn't contain silicones
- Safe on all metal surfaces, does not stain
- Safe on most rubbers, plastics and coatings. Test on sensitive or stressed materials before use
- Convenient 360° (including inverted position) spray valve for aerosols
- 500 ml

REF [143TA6830](#)

LOW STRENGTH THREADLOCKER





- Low strength, general purpose
- Max thread size: M36
- Service temperature range: -55 to 150°C
- Strength: medium
- Breakaway torque: 6 Nm
- Viscosity: 900–1500 mPa·s
- Fixture time: 25 min
- P1 NSF
- 50 ml

Loctite 222:

- Ideal for low-strength thread locking of adjusting screws, countersunk head screws and set screws
- Good on low strength metals which could break during disassembly, e.g. aluminium or brass

REF [143TA3464](#)

MEDIUM STRENGTH THREADLOCKER



- Medium strength, general purpose, oil tolerant
- Max thread size: M36
- Service temperature range: -55 to 150 °C
- Strength: medium
- Breakaway torque: 26 Nm
- Viscosity: 1300-3000 mPa·s
- Fixture time: 10 min
- P1 NSF

LOCTITE

Loctite 243:

- Works on all metals, including passive substrates (e.g. stainless steel, aluminium, plated surfaces)
- Proven to tolerate slight contaminations of industrial oils, e.g. engine oils, corrosion prevention oils and cutting fluids
- Prevents loosening on vibrating parts, e.g. pumps, gear boxes or presses
- Permits disassembly with hand tools for servicing

REF [143TA3461](#) - 5 ml

REF [143TA3463](#) - 10 ml

REF [143TA3459](#) - 50 ml

TOTALSOURCE® HAND CLEANING WIPES



- Wipes in non-woven fabric
- Fast and easy cleaning without water and soap
- With citrus solvent
- Antibacterial additive
- Suitable for removing paint, tar, rust, glue, grease, oil, lubricants etc.
- Tested according to EN 1276 and EN 12504
- Cleaning power: ++++

• Box 100 wipes

• Dimensions wipes:
27 x 27 cm

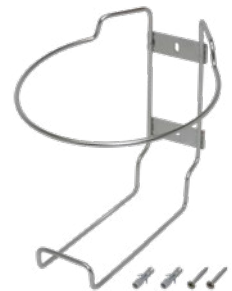
REF [147TA3378](#)

• Box 40 wipes

• Dimensions wipes:
15 x 20 cm

REF [147TA3379](#)

TotalSource



Stainless steel wall bracket
(can be used for REF 147TA3378)

REF [147TA3380](#)

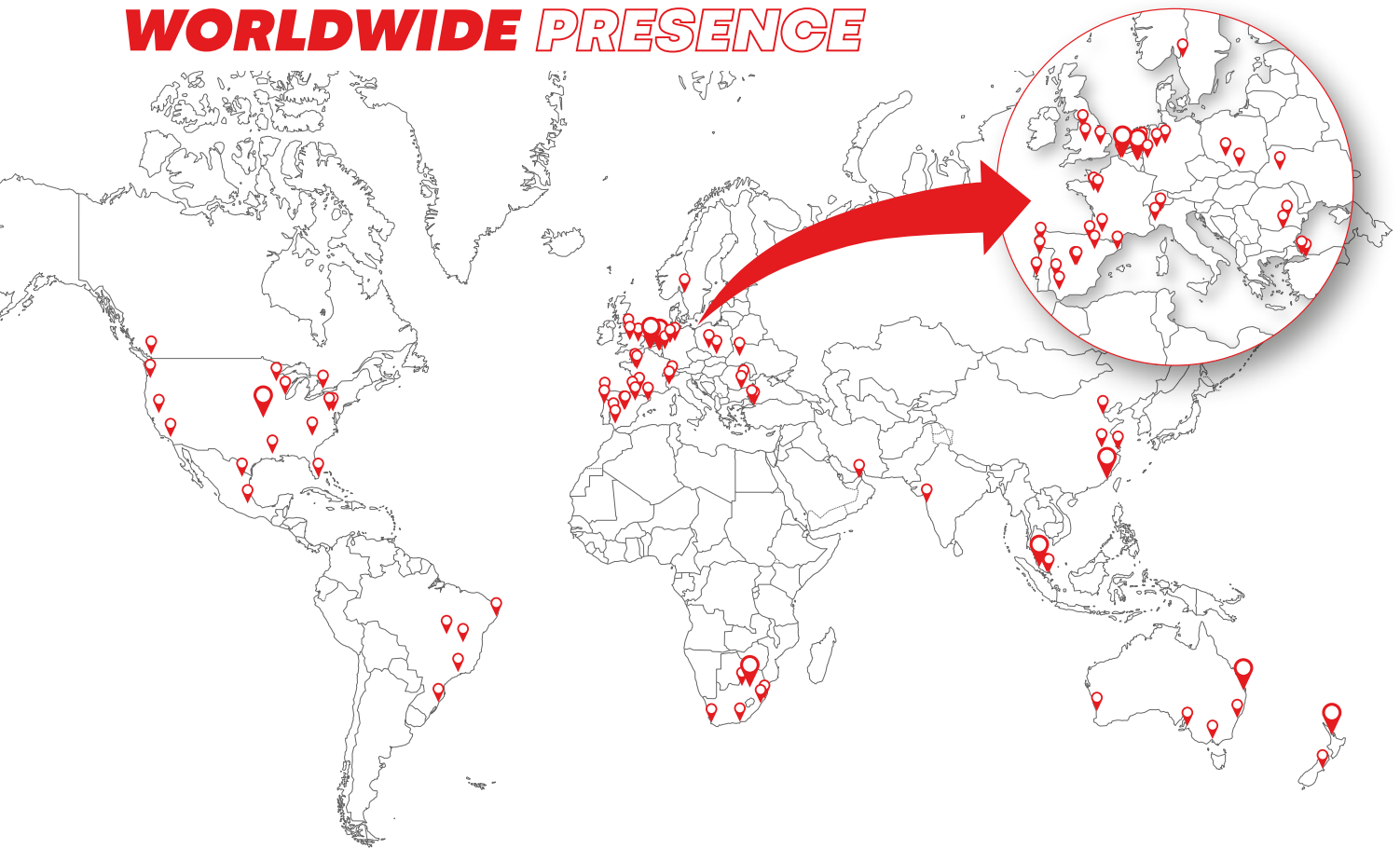
NOTES

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NOTES

A series of horizontal dotted lines for taking notes.

WORLDWIDE PRESENCE



TVH AND BEPCO AROUND THE WORLD

<p>AUSTRALIA TVH AUSTRALIA PTY LTD Adelaide (South Australia) • Brisbane (Queensland) • Melbourne (Victoria) • Perth (Western Australia) • Sydney (New South Wales)</p>	<p>FRANCE TVH FRANCE SASU Agen • Étrelles BEPCO FRANCE SAS Agen • Étrelles MANUTEST SAS Étrelles GDI SAS Beaufort-en-Vallée</p>	<p>NEW ZEALAND TVH NEW ZEALAND LTD Auckland • Christchurch</p>	<p>TÜRKIYE TVH YEDEK PARCA TICARET AŞ Hadimköy - Arnavutköy (Istanbul, European) • Tuzla (Istanbul, Asian) SINCANLI TRACTOR INC. Ümraniye (Istanbul) • Tuzla (Istanbul)</p>
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<p>BRASIL TVH BRASIL PECAS LTDA Araquari (Santa Catarina) • Contagem (Minas Gerais) • Goiânia (Goiás) • Jaboatão dos Guararapes (Pernambuco) • Vinhedo (São Paulo)</p>	<p>INDIA TVH INDIA PVT LTD Pune • Kalyan</p>	<p>PORTUGAL TVH PORTUGAL LDA Maia (Porto)</p>	<p>UNITED ARAB EMIRATES TVH MIDDLE EAST FZE Sharjah</p>
<p>BULGARIA TVH BULGARIA LTD Ruse</p>	<p>ITALY TVH ITALIA SRL Marano Ticino (Novara) • Settimo Torinese (Torino) CAM SRL Marano Ticino (Novara)</p>	<p>ROMANIA BEPCO ROMANIA SRL Negoiești</p>	<p>UNITED KINGDOM TVH UK LIMITED Birmingham • Kidderminster INTERPART (U.K.) LIMITED Halesowen (Birmingham) • Manchester CAB GLAZING SERVICES LTD Cambridge • Telford</p>
<p>CANADA TVH CANADA LTD Mississauga (Ontario) • Port Coquitlam (British Columbia)</p>	<p>MALAYSIA TVH MALAYSIA SDN BHD Johor Bahru • Shah Alam (Kuala Lumpur)</p>	<p>SINGAPORE TVH SINGAPORE PTE LTD Singapore</p>	<p>USA TVH PARTS CO Elizabethtown (Pennsylvania) • Grayslake (Illinois) • Greer (South Carolina) • Miami (Florida) • Mira Loma (California) • Olathe (Kansas) • Portland (Oregon) • Reno (Nevada) • Roseville (Minneapolis) • Shreveport (Louisiana) SUPERIOR SIGNALS, INC Olathe (Kansas) GEMONE CORP Olathe (Kansas) FLIGHT SYSTEMS INDUSTRIAL PRODUCTS COMPANY Addison (Illinois) • Carlisle (Pennsylvania)</p>
<p>CHINA TVH TRADING (XIAMEN) CO LTD Hefei • Shanghai • Tianjin • Xiamen TVH TRADING (SHANGHAI) CO LTD Shanghai TVH TRADING (TAICING) CO LTD Taicang CAM (XIAMEN) MECHANICAL EQUIPMENT CO LTD Xiamen</p>	<p>MEXICO TVH MEXICO Cuautitlán Izcalli (Mexico City) • Santa Catarina Nuevo León</p>	<p>SOUTH AFRICA TVH PARTS SOUTH AFRICA (PTY) LTD Bellville (Cape Town) • Durban • Isando (Johannesburg) • Lichtenburg • Richards Bay • Sidwell (Port Elizabeth)</p>	
	<p>NETHERLANDS BEPCO NEDERLAND BV Wijchen WISSINK TRADING Rozenburg</p>	<p>SPAIN TVH PARTS ESPAÑA S.A. Almendralejo (Badajoz) • Badalona (Barcelona) • Dos Hermanas (Sevilla) • Madrid • Pamplona (Navarra) • Santiago de Compostela (A Coruña) • Zaragoza</p>	
		<p>SWEDEN TVH NORDIC AB Ed</p>	

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